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Ripon College

Established 1854

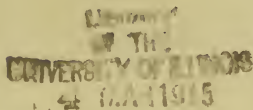
Ripon, Wisconsin



Catalogue Bulletin
1914-1915

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RIPON COLLEGE
1914-1915

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May 16th, 1908, as second-class mail matter,
under act of July 16th, 1904.*

CALENDAR-1915

JANUARY.

S	M	T	W	T	F	S
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JULY.

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FEBRUARY.

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AUGUST.

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SEPTEMBER.

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OCTOBER.

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JUNE.

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DECEMBER.

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1916

JANUARY.

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FEBRUARY.

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MAY.

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JUNE.

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College Calendar

1915.

January	5, Christmas Vacation ends at 8 a. m.....	Tuesday
January	13, Registration for Second Semester.....	Wednesday
January	29, First Semester ends.....	Friday
February	1, Second Semester begins.....	Monday
April	1, Spring Vacation begins at 3:15 p. m.....	Thursday
April	13, Spring Vacation ends at 8 a. m.....	Tuesday
June	13, Baccalaureate Sermon.....	Sunday
June	14, Annual Meeting of the Board of Trustees...	Monday
June	15, Annual Meeting of the Alumni.....	Tuesday
June	16, Forty-ninth Annual Commencement....	Wednesday
September	13, 14, Registration for First Semester...	Monday, Tuesday
September	15, Lectures and Recitations begin.....	Wednesday
November	24, Thanksgiving Recess begins at 10.00 a.m.	Wednesday
November	29, Thanksgiving Recess closes at noon.....	Monday
December	22, Christmas Vacation begins at noon.....	Wednesday

1916.

January	4, Christmas Vacation ends at 8:00 a. m.....	Tuesday
January	12, Registration for Second Semester.....	Wednesday
January	28, First Semester ends.....	Friday
January	31, Second Semester begins.....	Monday
March	30, Spring Vacation begins at 3:15 p. m.....	Thursday
April	11, Spring Vacation ends at 8:00 a. m.....	Tuesday
June	14, Fiftieth Annual Commencement.....	Wednesday

Board of Trustees

OFFICERS.

SILAS EVANS, President of the College, ex-officio President.
 WILLIAM J. MUTCH, Vice-President.
 SAMUEL M. PEDRICK, Secretary.
 JOHN W. WRIGHT, Treasurer.

HONORARY MEMBER.

F. J. LAMB, Lawyer.....Madison

TERM EXPIRES 1915.

O. H. INGRAM, Lumberman and Banker.....Eau Claire
 FREDERICK W. UPHAM, President of Board of Review, Cook
 County, Illinois; of Upham & Agler; of Wisconsin Oak
 Lumber Company; and of City Fuel Company.....Chicago, Ill.
 W. H. HATTON, Lumberman and Manufacturer.....New London
 MISS SHIRLEY FARR, Department of History, The University
 of Chicago.....Chicago, Ill.
 D. D. SUTHERLAND, Lawyer.....Fond du Lac
 WILLIAM R. DAWES, First Vice-President Central Trust Com-
 pany of Illinois.....Chicago, Ill.
 THOMAS D. HOWELL, with J. I. Case Threshing Machine
 Company Racine

TERM EXPIRES 1916.

JOHN W. WRIGHT, President Ripon Knitting Works.....Ripon
 FREDERICK SPRATT, Cashier First National Bank.....Ripon
 FRANK K. SANDERS, President Washburn College..Topeka, Kans.
 MRS. HARRIET H. ROBERTSON.....Milwaukee
 ARTHUR E. LEONARD, Pastor First Congregational
 Church Eau Claire
 JAMES L. STONE, Cashier German National Bank.....Ripon
 W. B. FOSTER, President Mattice-Foster Co.....Ripon

TERM EXPIRES 1917.

WILLIAM J. MUTCH, Professor Ripon College.....Ripon
 SAMUEL M. PEDRICK, Lawyer.....Ripon
 A. E. THOMPSON, Lawyer.....Oshkosh
 FRED W. ROGERS, Real Estate and Insurance.....Milwaukee
 L. H. KELLER, General Superintendent Wisconsin Congrega-
 tional Association.....Madison
 J. B. BARLOW, JR., President, Barlow & Seelig Manufactur-
 ing Co.....Ripon

STANDING COMMITTEES.

EXECUTIVE COMMITTEE—Messrs. J. L. Stone, Samuel M. Pedrick, F. Spratt, J. W. Wright, W. B. Foster, and J. B. Barlow, Jr.

COMMITTEE ON INSTRUCTION—Mr. Rogers, Miss Farr, Messrs. Sanders, Barlow, and Mrs. Robertson.

COMMITTEE ON GROUNDS AND BUILDINGS—Messrs. Foster, Stone, and Barlow.

AUDITING COMMITTEE—Messrs. Sutherland and Howell.

COMMITTEE ON INVESTMENTS—Messrs. Wright, Pedrick, Spratt, and Stone.

COMMITTEE ON HONORARY DEGREES—Messrs. Ingram, Leonard, Keller, and Thompson.

SPECIAL COMMITTEE ON FINANCE AND ENDOWMENT—Mr. Ingram, Miss Farr, Messrs. Dawes and Upham.

The President of the College is, ex-officio, member of all committees.

Officers of Instruction

SILAS EVANS, D. D., LL. D.....309 Seward St.
President, and Professor of Biblical Literature and Philosophy of Religion.

A. B., Ripon College, 1898. A. M., Princeton University, 1900; B. D., Princeton Seminary, 1901; D. D., Carroll College, 1911; Middlebury College, 1913; LL. D., Lawrence College, 1912; Professor of Philosophy, Hastings College, 1901-3. Professor of Philosophy and Pastor of the College Church, Park College, 1903-9. Professor of Hebrew Literature, University of Wisconsin, 1909-10. Ripon College, 1910.

FRANK MORTON ERICKSON, A. M.*

Dean and Wilcox Professor of Classics, and of English Composition.

A. B., Wabash College, 1892. A. M., University of Chicago, 1895. Student of Archaeology, Athens, Greece, 1900. Teacher of Greek and Latin, Highland University, 1892-4. Member Graduate School, Harvard University, 1906-7. Ripon College, 1895.

JESSE FOX TAINTOR, A. B.....616 Ransom St.
Professor of English Literature.

A. B., Ripon College, 1873. Andover Theological Seminary, 1875-8. Pastorates in Iowa, 1878-83; Rochester, Minn., 1886-1903. Graduate Student Chicago University, 1903, 1905. In Europe for study and travel, 1911-12. Ripon College, 1905.

WILLIAM HARLEY BARBER, A. M.....529 Woodside Ave.
†Dean and Professor of Physics.

B. S., University of Wisconsin, 1901; A. M., University of Wisconsin, 1909. Assistant Principal Ripon High School, 1901-4; Principal Ripon High School, 1904-5. United States Department of Commerce and Labor, Bureau of Standards, Washington, D. C., 1905-6. Graduate Student, University of Chicago, summer terms, 1911-13, and year 1913-14. Ripon College, 1906.

ALBERT FRANKLIN GILMAN, Ph.D.‡.....627 Lincoln St.
Professor of Chemistry.

S. B., Amherst College, 1897; A. M., Amherst College, 1901. Ph. D., University of Denver, 1913. Teacher of Science, Farmington, Me., 1897-8. Professor of Science, Dow Academy, Franconia, N. H., 1898-9. Professor of Chemistry and Physics, Maryville College (Tenn.), 1900-6. Graduate Student, Harvard University, 1903; University of Chicago, 1905-6; University of Denver, 1912-13. Ripon College, 1906.

*Resigned January 1, 1915.

†Appointed January 1, 1915.

‡On leave of absence, first semester 1914-15, for study and travel.

WILLIAM JAMES MUTCH, Ph. D.....526 Newbury St.

Professor of Philosophy and Education.

A. B., University of Wisconsin, 1882; B. D., Yale Divinity School 1885. Ph. D., Yale University, 1894. Lecturer in Pedagogy, Yale Divinity School, 1900-2. Pastor of Howard Avenue Congregational Church, New Haven, Conn., 1885-1907. Ripon College, 1907.

GEORGE ADDISON TALBERT, M. S.....122 Watertown St.

Professor of Biology.

B. S., Ohio Wesleyan University, 1888; M. S., Ohio Wesleyan University, 1891. Graduate Student, Johns Hopkins University, 1888-9. Berlin University, 1898-9. University of Chicago, 1899-1900. Woods Hole Marine Laboratory, summers of 1893-4-5, and Leland Stanford Marine Laboratory, summer of 1897. Teacher of Biology, 1889-1902. Stevens Point Normal School, 1902-8. Ripon College, 1908.

ELIZABETH BATTLE BINTLIFF, A. M., Cor. of Elm and State Sts.

Professor of Music and Director of the School of Music.

Student, Oberlin Conservatory of Music. Organ Pupil, Fene-
lon B. Rice and Clarence Eddy. Piano Pupil, George W. Steel
and William H. Sherwood. Theory Pupil, George W. Chad-
wick and Frederic Grant Gleason. Studios in Janesville, Wis.,
and Chicago, Ill. Organist, St. Paul's Episcopal Church, Mil-
waukee, and Leavitt Street Congregational Church, Chicago,
Ill. Professor of Music and Director of Conservatory of
Music, Olivet College, 1893-1909. A. M., Olivet College, 1902.
Ripon College, 1909.

WILLIAM EVERETT JILLSON, A. M.*

Librarian and Associate Professor of German.

A. B., Brown University, 1882; A. M., Brown University, 1885.
Instructor in the English and Classical School, Providence,
R. I., 1882-8. Student in France and Germany, 1888-90. Pro-
fessor of German and French and Librarian, Doane College,
1890-1912. Student in the Library School of the University of
Wisconsin, 1911-12. Ripon College, 1912.

WARREN BROWNELL SMITH, Ph. B.....234 Elm St.

Professor of History and Political Science.

Ph. B., University of Chicago, 1902. Graduate Student, Uni-
versity of Chicago, 1909-12. Fellow in History, University of
Chicago, 1910-12. Ripon College, 1912.

KENT CRAIG LAMBERT, A. B.....110 E. Thorn St.

Director of Athletics.

A. B., Wabash College, 1913. Ripon College, 1913.

*On leave of absence.

GRACE GERTRUDE GOODRICH, Ph. D.....Eureka St.

Professor of Classics.

A. B., Ripon College, 1906; A. M., 1907; Ph. D., University of Wisconsin, 1913. Teacher of Latin and English, Wabash, Minn., 1907-9. Student, American School of Classical Study at Rome, 1909-10. Graduate Student, University of Wisconsin, 1910-11. Graduate Student, Bryn Mawr College, 1911-12. Assistant in Latin, University of Wisconsin, 1912-13. Ripon College, 1913.

JOSEPHINE RUTH HARGRAVE, A. B.....415 Thorn St.

Librarian.

A. B., Ripon College, 1906. S. B. Simmons College Library School, Boston, Mass., 1909. Librarian Public Library, Dickinson, N. Dak., 1909-14. Ripon College, 1914.

WILSON ROBB WOODMANSEE, A. M.....621 Ransom St.

Professor of Mathematics.

A. B., Indiana University, 1902; A. M. University of Wisconsin, 1914. Principal of High School, Sycamore, Indiana, 1898-1900. Mathematics, Winona Academy, Winona Lake, Indiana, 1902-08; Professor of Mathematics, William and Vashti College, Aledo, Illinois, 1908-13. Graduate Student University of Indiana, summer of 1909; Graduate Student, University of Wisconsin, summer 1912-14, and year 1913-14. Assistant in Mathematics, University of Wisconsin, 1913-14. Ripon College, 1914.

ROLLO LA VERNE LYMAN, A. B..5705 Kenwood Ave., Chicago, Ill.

Lecturer in Public Speaking.

A. B., Beloit College, 1899; Harvard College, 1903. Instructor in English, Harvard College, 1903-05. Assistant Professor in Rhetoric and Oratory, University of Wisconsin, 1905-08. Associate Professor, 1908-12; Associate Professor in the Teaching of English, University of Chicago, 1913. Ripon College, 1914.

OLIVE M. PARDEE SMITH, A. B.....Bartlett Hall

Associate Professor of German.

A. B., Smith College, 1906. English and German, St. Mary's Hall, Burlington, New Jersey, 1909-11; Latin, Dr. Luce's Preparatory School, Berlin, Germany, 1911-13. Student at the University of Berlin, 1911-13; Student at the University of Chicago, 1914. Ripon College, 1914.

AUGUST FREDERICK FEHLANDT, B. D.....121 Blossom St.

Professor of Economics and Sociology.

A. B., University of Wisconsin, 1891. Student at Princeton University and Seminary, 1891-92. B. D., Yale University, 1894. Twenty years in the pastorate, in literary, editorial and platform work. Ripon College, 1914.

- HESTER M. CUNNINGHAM, A. B.....Elm St.
Associate Professor of Romance Languages.
A. B., Olivet College, 1910. English, Bethel College, Hopkinsville, Kentucky, 1910-11. Graduate Student, University of Michigan, 1911. German, French, Spanish, High School St. Petersburg, Florida, 1911-13; French, Hampton School, Jamaica, B. W. I., Summer 1912; Berlin University, one semester, 1913; Sorbonne, Paris, one semester, 1914. Ripon College, 1914.
- ELWYN BUSIAN KRAUSE, A. B.....833 Watson St.
Assistant in Chemistry.
A. B., Ripon College, 1914.
- MRS. RUTH HALL, A. B..... Woodside Ave.
Instructor in German.
A. B., Ripon College, 1904. Teacher in Ripon High School, 1904-14. Ripon College, 1914.
- ESTELLA HALL READE.....430 Congress St.
Instructor in Vocal Music.
Pupil of William H. Stockbridge, Portland, Me.; of Madame Perkins, Baltimore, Md.; of Dr. Edward S. Kimball, Washington, D. C.; of Benjamin F. Wood, Boston; of Mary Kimball, Washington, D. C.; and of Herman Kotschmar, Portland, Me. Contralto Soloist in Choirs in Lewiston, Portland, Baltimore, Washington, Joliet, Ill., and Olivet, Mich. Head of Vocal Department of Public School Music Methods, Conservatory of Music, Olivet College, 1897-1909. Ripon School of Music, 1909.
- IRMA MAX.....309 Seward St.
Teacher of Piano, Theory, Musical History and Appreciation.
Student, Yankton College Conservatory of Music, Yankton, South Dakota; American Conservatory of Music, 1910-14. Pupil of Edward C. Hall, Lee N. Dailey, Louise Robyn, Adolph Wiedig, Victor Garwood, Hans Hees, and John C. Hallstaedt. Graduate American Conservatory, 1912. Ripon College School of Music, 1914
- MARIA SCHRUP
Teacher of Violin.
Pupil of W. L. Jaffé, Milwaukee. Graduate of Wisconsin College of Music, Milwaukee, Wis. Ripon College School of Music, 1914.

STUDENT LABORATORY ASSISTANTS.

BIOLOGY—Julian Yerkes Malone.

MATHEMATICS AND PHYSICS—Milton Herman Hostman.

LIBRARY—Marian Maynard, Anthony Donlin.

DEPARTMENT FELLOWS.

PHILOSOPHY—William Robert Davies.

PHYSICS—William Eleazer Orvis.

ENGLISH—Florence Blaine Williams.

HISTORY—Martha Jean Mutch.

LATIN—Lorraine Peter.

BIOLOGY—Carl Parcher Russell.

CHEMISTRY—William August Zinzow.

COMMITTEES OF THE FACULTY.

CHAPEL—President Evans and Professor Mutch.

DORMITORIES—Professor Gilman, Miss Smith and Professor Smith.

PUBLICATION—Professors Taintor, Fehlandt, Gilman, and Goodrich.

SOCIAL LIFE—Professors Talbert, Woodmansee, Miss Smith, and Mrs. Reade.

ALUMNI AND COMMENCEMENT—Professors Taintor, Bintliff, and Miss Cunningham.

FORENSICS—Professors Taintor and Fehlandt.

LIBRARY—Professors Mutch, Taintor, Smith, and Barber.

REGISTRATION—Professors Woodmansee, Barber, Mutch, and Taintor.

JOINT COMMITTEE ON ATHLETICS—For the Faculty, Dean Barber, Kent C. Lambert, Director of Athletics; for the Trustees, J. W. Wright; for the students, H. C. Larsen, G. J. Krebs.

JOINT COMMITTEE ON COMMONS—For the Faculty, Professors Barber and Smith; for the Trustees, S. M. Pedrick; for the Students, Delmar Wensink.

OFFICERS OF ADMINISTRATION.

SILAS EVANS.....	President
WILLIAM HARLEY BARBER.....	Dean
WILSON ROBB WOODMANSEE.....	Registrar and Secretary
JOSEPHINE RUTH HARGRAVE.....	Librarian
OLIVE M. P. SMITH.....	Head of Bartlett
PEARL DAVISON.....	Cashier
DAPHNE HURLBUTT.....	Stenographer

HERMAN GATZKE.....	Superintendent of Grounds and Buildings
MRS. LAMBERT.....	Matron of College Commons

Ripon College

The institution out of which the present Ripon College grew, was incorporated January 29, 1851. Brockway College, as the first foundation was called in honor of one of its benefactors, was a development from the "Lyceum of Ripon," which was founded November 23, 1850. The original incorporators of Brockway College were David P. Mapes, Ezra L. Northrup, Alvin E. Bovay, Warren Chase, John S. Horner, Jehdeiah Bowen, Almon Osborn, Asa Kinney, Edwin Lockwood, Alexander B. Beardsley, William S. Brockway, Edward L. Runals, and William Starr.

From the time of its opening until 1855, the school was under the management of Rev. J. W. Walcott. No college classes were formed, and no college work was attempted, until the autumn of 1863. On February 21, 1857, Mr. Walcott deeded the college property to the Board of Trustees, they securing him for his claim of six thousand nine hundred and seventy-seven dollars by a mortgage on the entire realty. The deed recognized the right of the Winnebago Convention to nominate candidates to fill vacancies in the board. The campus conveyed in this exchange embraced about nine acres, which has since been considerably increased. The dormitory building, contemplated in 1855, was not ready for occupancy until the later part of the autumn of 1858. The years from 1858 to 1862 witnessed serious struggles in the life of the young College. For a time during this period the buildings and grounds of the College were used for the purposes of the war, and many of its faculty and students saw actual service in the Union armies.

On April 23, 1863, the Rev. William E. Merriman, a graduate of Williams College, and of Union Theological Seminary, a popular preacher and an accomplished scholar, then pastor of the Presbyterian Church at Green Bay, was elected to the presidency of the College. The appointment of Mr. Merriman was an epoch in the history of the institution. The obstacles which confronted him were extraordinary, but he exhibited at once a power to overcome them, no less extraordinary. His Christian consecration and his enthusiasm were complete, not permitting him to miss any opportunity to do effective work for the College, or for intellectual and spiritual uplift among students and people. Although the institution had at this time no endowment, only one professor besides the President, and

hardly half a dozen students of college grade, yet it took its place of moral and intellectual leadership. Under the direction of the new President, the College grew rapidly and substantially, the number of students more than doubled, new buildings were added, and the College admitted to membership in the Society for the Promotion of Collegiate and Theological Education in the West. This last accomplishment was of far-reaching consequence, freeing the institution from obligations to the Winnebago Convention, and placing it on a much firmer financial basis. In addition to this, a large sum was added to the endowment; but, above all, the College, through this action, became recognized in the fraternity of colleges. In 1874, Dr. Merriman was given a leave of absence on account of ill health, and his active work as head of the College practically ended with this year. In this administration, remarkable in every sense, much was accomplished for the College in a material way; but more important than this, was the fact that under the guidance of this strong and simple man, the spirit of the institution was established.

The administration of Edward Huntington Merrell began in 1876, and continued until 1891. Doctor Merrell's connection with the College continued until his death, in 1909. From 1891 until 1896 he was the Professor of Philosophy. In 1906 he was made Professor Emeritus, on the Carnegie Foundation. Rufus Cushman Flagg, D. D., was President from 1892 to 1900. His successor in 1901 was Richard Cecil Hughes, D. D., who served the College until 1909. In September, 1910, Silas Evans, a graduate of the College in the class of 1898, was elected President.

From the beginning, the College has been under the control of a Board of Trustees, who have uniformly conducted its affairs wisely, economically and with foresight. From 1855 to 1864 the Board was served by four different secretaries: Mr. J. W. Walcott, Mr. Hiram Freeman, Mr. C. C. Bayley, and Mr. J. C. Catlin. In 1864 Storrs Hall, M. D., was made Secretary, and served faithfully and efficiently until 1899. At that date Mr. Samuel M. Pedrick was elected to the office, which he still holds.

The Board has been equally fortunate in its Treasurers. Mr. Jehdeiah Bowen was twice Treasurer, between the years 1851 and 1861, and again from 1865 to 1882. The Treasurer from 1861 to 1865 was Mr. Charles F. Hammond. Mr. A. P. Harwood was elected in 1882, and served until 1883. Mr. J. A. Chamberlain served from 1883 to 1884. Mr. Harwood was again elected in 1884, and served until 1886. From 1876 to 1886 Mr.

George C. Duffie, as Assistant Treasurer, had the care of the books, and the responsibilities of Treasurer fell largely upon him. In 1886 Mr. Joseph Scribner was made Treasurer, and held the office until 1899, when Mr. S. M. Pedrick was elected. Mr. Pedrick was followed in 1905 by Mr. George L. Field, President of the First National Bank of Ripon. From 1905 to 1907 Mr. Frederick Spratt, as Assistant Treasurer, gave constant attention to the accounts and to the financial affairs of the College. Mr. Albert G. Farr, Vice-President of The Harris Trust and Savings Bank, Chicago, was elected Treasurer in 1907, and continued in that office until June, 1910, when he was succeeded by Mr. William R. Dawes, of Chicago, Cashier of The Central Trust Company of Illinois. Since June, 1912, the Treasurer has been Mr. John W. Wright, President of the Ripon Knitting Works.

Buildings and Equipment

THE COLLEGE BUILDINGS.

Ingram Hall, completed in 1900, and named after one of its principal donors, Mr. O. H. Ingram, of Eau Claire, is the main lecture hall of the College, and contains the College Library. On the first floor are situated the offices, the lecture-rooms, and laboratories of the departments of Biology and of Physics, and also the stack-room of the Library. The second floor is occupied by lecture-rooms, and by the reading-room and office of the library. On the third floor are the Chemical laboratories and the lecture-rooms of the department of Philosophy and Education.

East College, the first building erected on the college campus, has been entirely remodeled. It now contains the offices of the College, and the studios and practice-rooms of the School of Music. The Young Men's and Young Women's Christian Associations also have rooms in this building.

Middle College, now called Smith Hall, in memory of the late Elisha D. Smith, of Menasha, was opened as a dormitory in 1903. It is heated by steam, lighted by gas and electricity, and thoroughly equipped throughout. Besides the student apartments, this hall contains a reception-room, and in the basement an excellent bowling alley.

West College contains the College Commons. By means of funds provided by the Alumni, the first floor has been made into a thoroughly equipped modern dining-room. The Co-operative Dining Association, which has charge of the Commons, provides a most excellent quality of board at small cost. The dining-room is large, finished in oak, is well lighted, and has two open fireplaces. There are ample cloak and waiting rooms, and the kitchen and serving-rooms are models of convenience, making it possible to serve the best meals at the lowest expense. This Alumni Hall adds much to the comfortable living of the students. The second and third floors of West College are used as dormitories for men, and are equipped in the same thorough manner as the rooms in Smith Hall. The dormitory has also a large, pleasantly situated, and attractively furnished common room.

Bartlett Cottage, the Dormitory for women, named in honor of the late Sumner Bartlett, of Oshkosh, is situated at the southwest corner of the campus, just opposite the President's house. It is steam-heated throughout, and is supplied with hot and cold water. The suites for students consist of a study and bedroom, with the heavier pieces of furniture. In addition to these, the building contains a reception-room and a library, a guest-room, and also a kitchen and dining-room for occasional use. The reception-room is at the left of the entrance corridor; the rooms occupied by the resident Faculty member, Miss Smith, are at the right.

Dawes Cottage. This is a frame building, now used as a dormitory for men, and is also the home of the engineer of the College.

Society Hall. The Old Chemical Laboratory, vacated when Ingram Hall was built, has been remodeled for other purposes. The north room is used for band practice, and other men's clubs, on permission from the College office. The south room is used by the department of Mathematics, and is well equipped for the work of mechanical drawing.

The President's House. Dr. Merriman built for himself a large house just south of the College campus. This house is now the property of the College, and is the residence of the President of the College.

Central Heating Plant. A complete central heating plant has been installed. The system results in increased comfort in the buildings, and in a large saving in cost. The steam supply pipes connecting the various buildings with the boilers, are so thoroughly insulated in the conduits, that the waste from radiation is reduced to a minimum. The boilers carry high-pressure steam, and there is room in the boiler house for installation of dynamos for the production of light and power. This heating system has proved a success from every point of view.

The Gymnasium. The Indoor Athletic Field is of the best type of gymnasium architecture, and offers many unusual advantages for physical training and development.

The central portion of the indoor athletic field has a hardwood floor, 80 by 50 feet, for basketball, indoor baseball, tennis, and such games. Around the floor is a running-track. 17 laps

to the mile, with an earth floor. This affords sufficient space for early Spring training in all track and field sports, and for football and baseball, when the weather prohibits the use of the Ingalls Athletic Park. The building furnishes a convenient place for public intercollegiate Athletic sports.

The south section of the building contains the shower-baths, locker, rubbing and drying rooms.

The plans for the completed building include two wings. They will contain all the essential features of a modern gymnasium. The first floor of the men's section will be equipped for college club-rooms. The second floor will contain the gymnastic apparatus for calisthenics. The woman's section will be similar, having club-rooms and upper floor gymnasium. Each of the wings will be 90 by 50 feet.

THE COLLEGE EQUIPMENT.

The College Library occupies large central rooms on the first and second floors of Ingram Hall. The main reading-room is on the second floor, and there is also a reading-room on the first floor in connection with the stack-room.

The library, according to the latest accession number, contains 21,323 volumes, exclusive of pamphlets, of which there are about 3,000. The aim of the College in the library has been to get the best books by the best men. The result is an excellent working library, containing standard editions, critical works, books of reference, bound periodicals, etc.

In addition to the library and reading-room facilities on the campus, students have access to the city library, now in the new Carnegie building, one block from the campus. The college library and the city library are largely supplementary, the former being strong in works of reference, the latter naturally furnishing books of more general interest. Both are open with a uniform rule to students and citizens.

The Department of Religious Education has a good collection of appliances for modern religious education, including the leading graded text-books on the Bible, complete sets of the Tissot and Wilde pictures and those of the Presbyterian Board, and numerous books and other materials of value to those engaged in Sunday School work, or preparing for it. The department provides actual work in selecting and preparing materials for the various grades, and in teaching classes in a thoroughly graded school.

The library is maintained in part by the income of a special gift for the purpose from Mr. Andrew Carnegie.

Harry D. Clark Collection. The interest of a fund, raised by the class of 1898, as a memorial to their deceased classmate, Harry D. Clark, is available for the purchase of books. There are 183 volumes in this collection.

Benjamin Franklin Thomas Collection. The Thomas scientific library of physics was willed to the College library by the late B. F. Thomas, of the class of 1874. Dr. Thomas was Professor of Physics at Ohio University. There are about 400 volumes in this collection.

A large portion of the library of the late Dr. Edward Huntington Merrill was presented to the College library this year by Mrs. Merrill.

Other special collections in the library are: Clarissa Tucker Tracy Collection (71 vols.); Ripon Oratorical Union Collection (30 vols.); Delta Phi Sigma Collection (10 vols.); John James Collection (44 vols.). These collections are increasing each year.

The Department of Biology occupies the east end of the first floor of Ingram Hall. Its equipment comprises four laboratories, one each for Anatomy, Bacteriology, Physiology, and one for Histology and Embryology. All are equipped with the best and newest apparatus. The vivarium and the injection rooms are in the basement. Adjoining the laboratories is the lecture-room. Storage and preparation rooms adjoin.

Important additions are made each year to the equipment of these laboratories. The department is especially well equipped for advanced laboratory work in physiology. Several hundred dollars' worth of apparatus is in duplicate for student work. This apparatus, as well as the laboratory manual used, is the same as that in use at the Harvard Medical College.

The Department of Physics occupies the west end of the first floor of Ingram Hall. This part of the building is particularly free from disturbances, well lighted, and admirably adapted for a physical laboratory. Every room is provided with sinks, gas and electric light connections, and electricity from a bank of storage cells located in the basement. Four slate-capped piers of masonry rising from deep in the ground serve for experiments requiring unusual stability. A large and convenient dark room, complete in its appointments, is pro-

vided for work in optics, photometry and photography. This is an interior room and also serves for a constant temperature room, as the building is heated by steam with thermostatic control.

The laboratories have all been remodeled and during the past few years newly equipped with the best grade of physical apparatus.

The aim of the department is to present the subject of Physics as a science of exact measurement, with particular emphasis on the physical principles involved. Consequently, the apparatus found in this laboratory has been selected with special reference to its ability to yield accurate results in the hands of average students. The equipment for courses in general physics, optics, heat, and electrical measurements is unusually complete, meeting all the demands of a thorough course in each of these subjects. Every student in the laboratory receives the personal attention of the head of the department, and is continually in receipt of instruction and suggestion by personal contact, which is the most valuable way in which information can be given.

The Department of Chemistry occupies the third floor of Ingram Hall; it has a large lecture-room, with a stock-room in close connection. The stock-room is conveniently arranged for chemicals and apparatus. Across the hall are the office library and balance-room, and the laboratories for general chemistry, qualitative, and quantitative analysis. There are also laboratories for organic chemistry and for private research. All laboratories are supplied with hoods and with individual desks, and each desk is furnished with lockers, gas and water. The lecture-room has every facility for demonstration, and the department is well equipped throughout.

Archaeological Collections. The departments of Latin and Greek possess an unusually fine collection of archaeological material. There are several thousand carefully selected photographs and slides, illustrating Greek and Roman history, geography, life and art. Also a small but carefully chosen collection of antiquities of special interest to students of the classics. There are 250 different Roman coins of the most important reigns of the Empire; more than fifty terra cotta lamps illustrating all the types, many of which are figured; Etruscan. Greek and Roman vases, dating from 750 B. C. to about 300 B. C.; bronze fibulae, keys, letter stamps, bone stili, spoons,

dice, etc.; several fine specimens of glass from Greece and Italy; inscribed amphora handles, and numerous other articles connected with the daily life of the ancient Romans.

The Barber Collection of Minerals. The nucleus of this collection was given to the College by the Rev. Geo. W. Barber. This is supplemented by the New Orleans Collection, from the New Orleans Exposition; and by the Armstrong collection of 500 minerals and rocks.

In addition to these collections is the "Educational Series of Rocks," furnished by the United States Government, and several valuable specimens from the mining regions of Wisconsin and Michigan.

Biological Museum. This contains a collection of invertebrates and vertebrates, systematically arranged. The study of the few typical forms of animals studied in the laboratory can thus be supplemented by an investigation of the greater variety of forms to be found in the museum.

An interesting and valuable part of the exhibit is the Congdon collection of birds' eggs. These eggs, representing a large amount of research carried on in Wisconsin and Canada, were collected by Russell T. Congdon of the class of 1903.

Requirements for Admission

GENERAL REQUIREMENTS.

Entrance requirements are expressed in terms of units. A unit represents a year's study in any subject in a secondary school, constituting approximately a quarter of a full year's work. This definition assumes that the length of the school year is from thirty-six to forty weeks, that a period is from forty to sixty minutes in length, and that the study is pursued for four or five periods per week. It further assumes that two hours of manual training or laboratory work is equivalent to one hour of class-room work. Fifteen such units are required for entrance. Of these fifteen, eight are required subjects as follows:

English, 2 units; Mathematics, 2 units; Latin, German or French, 2 units; History, 1 unit; Science, 1 unit.

It is recommended that the high School course be planned so as to include two majors of three units each and one minor of two units. One of the majors should be English. There should be two additional academic units. One or both of these units must be advanced work to meet the requirement of a second major of three units.

The other five units may be additional academic work or work in mechanical arts, household science, or commercial subjects.

This recommendation if carried out would result as follows:

3 units of English.

3 units of Foreign Language (or Mathematics).

2 units of Mathematics (or Foreign Language).

1 unit of Social Science, including History.

1 unit of Natural Science.

4 units of Electives.

The College does not require Latin for entrance, but it strongly recommends that when possible it be included as one of the entrance subjects.

Four units left as a margin for whatever work best meets the needs of the individual.

Admission Without Foreign Language.—Students who offer fifteen units for entrance may be admitted without foreign language, but the language requirements must be met during the freshman year. This will ordinarily require extra work to the extent of four hours a week for one year, which will not be credited as part of the number of unit hours required for graduation.

Admission by Certificate.—On the recommendation of the principal of the high school, with his certificate showing that the student has successfully completed the courses required for entrance, graduates of any Wisconsin high school, on the accredited list, will be admitted to the freshman class without examination.

DETAILS OF SUBJECTS.

English. 2, 3 or 4 units. All candidates for admission to the College must present two units in English, one of which should consist of composition, and one of the reading and study of English classics. The two units required in English correspond in amount and character to the work of the first two years of the standard high school course. It is recommended that at least three units be presented in English, the third unit to consist of additional work in composition, and either (1) of the reading and study of representative selections from English and American Literature or (2) detailed study of a few typical examples of the novel, the drama, the lyric, and the essay.

Preparation in English should have two main objects: (1) command of correct and clear English, spoken and written; (2) power to read with intelligence and appreciation. To secure the first end, training in grammar and in the simpler principles of rhetoric, and the writing of frequent compositions, are essential. The candidate must be able to spell, capitalize and punctuate with accuracy. He must show a practical knowledge of the essentials of English grammar, of the construction of the sentence, and of the simpler principles of paragraph division and structure. To secure the second end, the candidate is required to read the works prescribed by the Commission of New England Colleges and Secondary Schools. The student should read the books with a view to understanding and enjoying them, and should secure a reasonable degree of familiarity with their substance.

Greek. 2 units. Xenophon's *Anabasis*, four books; Homer's *Iliad*, three books, or an equivalent amount of the *Odyssey*; Greek composition.

Latin. 2, 3 or 4 units. If two units, they must be as follows: Caesar, four books, or Caesar, two books, and an equivalent to two books in selections from Caesar or Nepos. If two units additional are presented, they must include: Six orations of Cicero (selections from the letters may be substituted for two orations); Virgil, six books; Composition, preferably in connection with Caesar and Cicero.

German. 2, 3 or 4 units. German may be offered for entrance to the amount of two, three or four units, requiring respectively two, three or four years of high school study. A candidate who presents elementary German (2 units) should be able to pronounce and to translate at sight, into idiomatic English, simple German prose, to put easy English sentences into German, and to carry on a simple conversation in German, based upon the texts set for translation.

French. 2, 3 or 4 units. French may be offered for entrance to the amount of two, three or four units, requiring respectively two, three or four years of high school study. A candidate who presents elementary French (2 units) should have a thorough knowledge of the grammatical forms of the language, and possess a sufficient vocabulary to read simple French with ease.

History. 1, 2, 3 or 4 units may be presented from the following subjects:

Ancient History to the year 800 A. B., 1 unit.

Mediaeval History, 1 unit.

English History, 1 unit.

United States History, 1 unit.

In Civics, Commercial Law, Economics, and Commercial Geography, a half unit may be offered for each subject, provided it represents a substantial course.

Mathematics. The work in Mathematics includes: Elementary Algebra, one unit; Geometry, plane and solid, one unit. Additional credit to the amount of one-half unit will be given for Advanced Algebra. This is required of students who wish to take the course in pre-engineering.

The unit of Elementary Algebra should include the following subjects: Fundamental operations, equations of the first degree with one unknown number, simultaneous equations of the first degree, factors, highest common factor, lowest common multiple, quadratic equations, simultaneous equations above the first degree, elementary theory of indices, and radicals.

In Geometry the requirements should indicate a combined course of one year in plane and solid geometry, and should consist of about 180 propositions, of which 45 must be in solid and spherical geometry.

If an additional half year of algebra is presented for admission, the work should cover simultaneous quadratic equations; ratio, proportion and variation, including graphical representation of simple relations between two variables; binomial theorem for positive integral exponents; logarithms, including use of tables in simple numerical work.

Physics. 1 unit. A year's course, including continuous and systematic laboratory practice. Any standard text-book may be used.

Chemistry. 1 unit. A year's course of descriptive chemistry, including both class-room and laboratory work. The student should keep a careful record of the experiments performed.

Botany. 1 unit. The course should cover a study of the life histories of types from the main groups of plants, and should include also a series of simple experiments.

One unit will be accepted in Physical Geography and in Zoology, provided it represents thorough systematic work of high school grade. A half unit also may be offered in Physiology.

ADMISSION BY CERTIFICATE.

On the recommendation of the principal of the high school, with his certificate showing that the student has successfully completed the courses required for entrance, graduates of any Wisconsin high school, on the accredited list, will be admitted to the freshman class without examination.

The list of accredited schools from which students will be admitted to the College on the certificate of the principal of the school, is the same as that of the University of Wisconsin. The regulations concerning the accredited schools also are the same as those in force at the University. Further information concerning these schools will be furnished on application.

The certificates of the work done in the high school should be made out on blanks which will be furnished on application, by the Dean of the College. They should be forwarded to the Dean, before the opening of the college year. Students will not be registered until the certificate is presented.

Certificates issued by the state normal schools, or by recognized academies of the state, will be accepted for the entrance requirements in the subjects covered by such certificates.

Students from the state normal schools who were graduated previously from an accredited, four-year high school course admitting to the college, will be given credit for their work toward the degree of Bachelor of Arts.

RIPON COLLEGE AND THE STATE UNIVERSITY.

Ripon College and the University of Wisconsin have practically the same entrance requirements and the same list of accredited schools. Students who migrate from either institution to the other will be given the rank of sophomores or juniors, if they change at the end of the first or second year of their work. It is not deemed advisable by either institution, for students to migrate at the end of the junior year; but where such cases occur, they will be dealt with on their individual merits.

The following statements from the catalogue of the University will indicate the arrangement between the University and the Wisconsin Colleges: "By arrangement with Beloit College, Lawrence College, Ripon College, Carroll College and Marquette University, students of these institutions who have satisfactorily completed the work of the sophomore year will be admitted to junior rank in the College of Letters and Science. In case of migration at an earlier period than the end of the sophomore year, proportional credit will be given. Students who complete two years of work at Beloit, Lawrence and Ripon, will be admitted to the College of Engineering of the University of Wisconsin, on the same conditions as students who transfer to that College from the College of Letters and Science of the University of Wisconsin."

Requirements for Graduation

The requirement for graduation is one hundred and twenty (120) semester hours of credit in college courses and a satisfactory thesis on an approved topic connected with the major subject, or one hundred and twenty-four (124) semester hours of credit without thesis. The unit of measure, a semester hour, is one hour recitation or lecture, or one two-hour laboratory period per week for one semester. A course which meets four hours per week for one semester gives four (4) hours' credit. Regular work is fifteen hours per week.

SELECTION OF STUDIES.

In the selection and arrangement of studies, the student has considerable freedom, but his choice is in part limited by the following general requirements.

Freshman Year.

The regular work of the freshman year is four subjects, each continued through the year. English Composition is required of all, and at least one subject must be chosen from each of the following groups. The fourth subject may be taken from either group.

I.
Latin
Greek
French
German

II.
Mathematics
Chemistry
Biology
History

Sophomore Year.

In the sophomore year any of the subjects open to freshmen may be elected, and any of the required subjects not already completed should be included in the selection. Other electives open to sophomores are the following:

Latin
Greek
French
German
English Composition
English Literature
Archaeology
Sociology

Philosophy
History
Economics
Mathematics
Chemistry
Biology
Physics

Junior and Senior Years.

By the time the student has reached the junior year, he is ready to select a subject in which to do advanced, cumulative work. This subject is called the student's major subject, and must include at least twenty hours' work in one of the following departments: Philosophy, Education, Greek, Latin, French, German, English, History, Economics, Mathematics, Biology, Chemistry or Physics.

Courses ordinarily open to freshmen are not counted toward the major. Exclusive of freshman courses, not more than twenty-eight hours of work in any one department will be counted toward a degree.

To secure breadth of training, the courses of study offered by the departments of the College have been arranged in four groups. The major subject will lie in one of these groups. In each of the other three, the student must select a minor or year course of at least eight hours' credit in one department. These minors are in addition to the courses required of all students.

The four groups from which the student selects his major and three minor subjects are as follows:

I.	II.	III.	IV.
Greek	Biology	History	Philosophy
Latin	Chemistry	Economics	Mathematics
German	Physics	Political Science	
French		Education	
English		Sociology	
Music			
Archaeology			

The group system readily adapts itself to the individual, by permitting a wide latitude in the choice of studies. At the same time, the importance of making a careful choice, under the best advice, cannot be emphasized too strongly. As some courses are given only on alternate years, and because of possible conflicts in the hours of recitation, the general plan of the student's work for the remainder of the course should be made by the beginning of the sophomore year. It is important that the courses should be planned as a whole with a definite end in view; and when once planned the student should not allow himself to be diverted from it for any but the most serious reasons.

The requirements for graduation may be summed up as follows:

English, ten hours, including Composition C1.

Two courses of one year each in foreign language (or three courses if less than four units of foreign language were offered for entrance).

A year course in each of four groups of studies and an additional amount of work in one of these four subjects to constitute the major subject.

Free election to make the total of one hundred and twenty hours required for graduation, or one hundred and twenty-four hours without thesis.

The degree of Bachelor of Arts is conferred upon all who complete the course.

HONOR CREDITS.

In addition to the 124-hour credits necessary for graduation, each student must earn at least 124 honor credits, or an average mark in all subjects of C or higher.

Class standings are indicated by letters. A, B, C and D are passing grades. For a grade of A in a given course, the student will receive three times as many honor credits as there are hour credits in the course; for a grade of B, twice as many honor credits; and for a grade of C, as many honor credits as hour credits. For example: A four-hour course in which the student's mark is A, gives twelve honor credits; if the grade is B, eight honor credits; and if C, four honor credits.

GENERAL REGULATION GOVERNING REGISTRATION.

Monday and Tuesday, September 13 and 14, are registration days. The registration office is open from nine till twelve and from one-thirty till five. All students are expected to register on one of these days. For registration after this date, or for change of registration, a fee of one dollar is charged. After three weeks of a semester have passed, no change in registration can be made without the consent of the Registration Committee, and a study which is dropped without the consent of this Committee is recorded as a failure.

No credit is given for any work not regularly registered in advance. Application for advance credit for work taken before entering the College must be made within one year of the time of entrance.

All entrance conditions must be included in the work of the first year.

Regular work in the Freshman year is 15 semester hours per week or 4 courses, which in some courses may amount to 16 hours. For all other students, the regular work is 15 to 18 hours. More work than this may be taken only on consent of the Registration Committee, and this consent is not given unless the student has maintained an average of C in the last semester, and is not falling below D in any subject.

New students will go first to the Dean of the College, who will assign them to faculty advisers. The registration form is made out after consultation with the adviser, and must bear his signature when it is filed with the Registrar. The registration form for succeeding years must be approved by this same faculty adviser, until the student selects his major subject. The professor in charge of this department then becomes his adviser.

THE GROUP SYSTEM.

The group system readily adapts itself to the individual, by permitting a wide latitude in the choice of studies. At the same time, the importance of making a careful choice, under the best advice, cannot be emphasized too strongly. As some courses are given only on alternate years, and because of possible conflicts in the hours of recitation, the general plan of the student's work for the remainder of the course should be made by the beginning of the sophomore year.

The following courses illustrate the working of the group system, and will guide the student in arranging his own work.

PHILOSOPHY.

This is a conservative course for the purpose of classical culture, drawn upon lines approved by the longest experience of American colleges. By a judicious use of the elective privilege, a fair balance can be preserved between the humanistic and the scientific disciplines for the purposes of culture and professional life.

The course serves also as a pre-theological course, when electives are chosen with this in view. It is possible for graduates of good rank to secure one year of advanced credit in leading theological seminaries, upon recommendation of the faculty. This course presupposes at least four language units of entrance credit. It must include at least one year of a laboratory science, and two are recommended.

First Year.

English, an ancient language, a modern language. Mathematics or History.

Second Year.

An ancient language, a modern language, a science, History or Economics, Logic, Psychology.

Third Year.

Philosophy 1, 2 (four hours), Philosophy 3, 4 (three hours), Education (5, 7, or 9), Ethics, or Bible. History.

Fourth Year.

Philosophy 13, 14 (three hours), Sociology, Education (5, 7, or 9), History or Political Science.

LANGUAGE-LITERATURE.

Many combinations of language and literature courses are possible, varying with the special interest of the student, whether it is in the Ancient Classics, French, German or English. One such group, typical of them all, is given below. The course outlined, covers with some completeness the literature, history, and civilization of Europe.

First Year.

English 1a and 1b, four hours; Greek or Latin, four hours; French or German, four hours; Science, four hours.

Second Year.

First semester. English Composition or Literature, three hours; Greek or Latin, three hours; French or German, three hours; History 6, four hours; Philosophy 1, four hours. Second semester. English Composition or Literature, three hours; Greek or Latin, three hours; French or German, three hours; History 8, four hours; Archaeology 1, two hours.

Third Year.

First semester. English, three hours; Greek or Latin, or French or German, three hours; Archaeology 1; Major subject, three to five hours. Elective. Second semester. English, three hours; Greek or Latin, or French or German, three hours; Major subject, three to five hours; Psychology, four hours.

Fourth Year.

First Semester. English, three hours; Greek or Latin, or French or German, three hours; Major subject, three to five hours; Education, four hours; Classical Literature 7, three hours. Second semester. English, three hours; Greek or Latin, or French or German, three hours; Major subject, three to five hours. Education, four hours. Electives.

HISTORY-ECONOMICS.

First Year.

First semester. Ancient or Mediaeval History, four hours; English 1, four hours; Foreign Language, four hours; Mathematics 1, three hours. Second semester. Ancient or Modern History, four hours; English 1, four hours; Foreign Language, four hours; Mathematics 2, three hours.

Second Year.

First semester. Mediaeval or Ancient History, four hours; English, three hours; Foreign Language, three hours; Economics, four hours. Second semester. Modern or Ancient History, four hours; English, three hours; Foreign Language, four hours; Economics as offered, four hours.

Third Year.

First semester. English Political and Constitutional History, four hours; United States History, four hours; Physics 1, five hours; Political Science, four hours. Second semester. English Political and Constitutional History, four hours; United States History as offered, four hours; Science, Elective.

Fourth Year.

First semester. Economics as offered; Advance English Composition; History. Elective. Second semester. Economics as offered; Advance English Composition; History. Elective.

MATHEMATICS-PHYSICS.

The Mathematics-Physics course is arranged to present not only a thorough and continuous study of mathematics and physics, but also a broad and liberal outline of collegiate work. In this respect the course is well adapted to students who are

desirous of becoming teachers in these subjects, or are contemplating graduate work, and also conforms to the needs of those who want the course, wholly as a matter of general training.

First Year.

First semester. Chemistry; German or French; English Composition; Algebra. Second semester. Chemistry; German or French; English; Trigonometry.

Second Year.

First semester. Analytic Geometry; Differential Calculus; Physics; German or French; English Literature. Second semester. Analytic Geometry; Integral Calculus; Physics; German or French; Advanced English Composition.

Third Year.

First semester. Advanced Calculus; Light; Economics or History; Elective: Quantitative Chemistry or Biology. Second semester. Differential Equations; Heat; History or Economics; Elective: Chemistry or Biology.

Fourth Year.

First semester. Mechanics; Physics; Psychology; Electives; Philosophy, Education. Second semester. Mechanics; Physics; Logic and Metaphysics; Education.

TRAINING FOR PROFESSIONAL COURSES.

The courses of study which are given on the following pages, have been arranged, after consultation with the University of Wisconsin and the University of Chicago, to meet the requirements of professional courses.

It should be noted, moreover, that each is a well-rounded course of study, and meets the college requirements. In planning his college work, the student is advised to consult these courses, and also his faculty adviser or the registration committee.

AGRICULTURE AND MEDICINE.

The following course of study has been arranged for students who expect later to enter a school of agriculture or a medical college.

Freshman Year.

English Composition.
German, 1-2.
Chemistry, 1-2, or Biology, 1-2.
Mathematics, 1-2.

Sophomore Year.

Biology, 1-2, or 3-9.
Chemistry, 1-2, or 3-4.
German, 1-2, or French, 1-2, or Latin.
Physics, 1-2.

Junior and Senior Years.

The work of these years will vary with the tastes of the student, and will in part be determined by the particular school which he proposes to enter. The student should arrange his work only after careful advice, in order that the college course may be correlated as fully as possible with the work of the professional school. His program will include advanced courses in Biology and Chemistry, and electives chosen from the following list:

English Composition.	History.
English Literature.	Physics.
Economics.	Philosophy.
Education.	

Medical students should include Psychology and Latin if it was not included among the entrance subjects. Greek also is desirable.

PREPARATION FOR ENGINEERING.

The Pre-Engineering Group is intended to meet the needs of those students who wish to secure a thoroughgoing foundation for advanced study in engineering. It is hoped, therefore, that after graduation most of those who pursue this group of studies will desire to carry on their work at the University of Wisconsin or elsewhere. The agreement below has consequently been entered into by the University and Ripon College.

1. Graduates of Ripon College, who have followed the course outlined as the Pre-Engineering Group of studies, will be graduated from the various engineering courses leading to

the degree of Bachelor of Science in two additional years; provided that students in civil engineering can make arrangements to complete the sophomore surveying before entering the University. (This may be done in the University Summer School.)

2. Graduates who have pursued the studies of this group, will be graduated from the advanced engineering course leading to the professional degree in two years and two summer sessions at the University, with the provision concerning students in civil engineering above noted.

Note. The course as outlined, gives eighteen hours' work per week for freshmen, while the regular work is but fifteen or sixteen hours. This course may be made to conform to the general plan, by deferring the course in Mechanical Drawing until the sophomore year. The student who undertakes eighteen hours' work, will be required to comply fully with the honor credit rule, or reduce the amount of work.

First Year.

First semester. English, three hours; German or French, four hours; Chemistry, five hours; Algebra, three hours; Mechanical Drawing, three hours. Second semester. English, four hours; German or French, four hours; Chemistry, four hours; Trigonometry, three hours; Mechanical Drawing, three hours.

Second Year.

First semester. Analytical Geometry, two hours; Differential Calculus, three hours; General Physics, five hours; ¹Quantitative Analysis, four hours; ³Descriptive Geometry, three hours; Electives: French or German, three hours; Composition, three hours; English Literature, three hours. Second semester. Analytical Geometry, two hours; Integral Calculus, three hours; General Physics, five hours; ³Descriptive Geometry, three hours; ¹Analytical Chemistry, four hours; Electives: German or French, three hours; English Composition, three hours.

¹ Required of Chemical, Sanitary, Electrical, Mining and Electrochemical Engineers.

² Required of Chemical and Sanitary Engineers.

³ Required of Civil, Mechanical and Electrical Engineers.

Third Year.

First semester. Advanced Calculus, three hours; ²Organic Chemistry, five hours; Suggested Electives: Biology, four hours; Economics, four hours; Logic, two hours; Education, four hours. Second semester. ³Differential Equations, three hours; ³Heat, four hours; ²Physical Chemistry, three hours; Suggested Electives: ²Botany, three hours; Economics, four hours; Ethics, two hours; Education, four hours.

Fourth Year.

First semester. Theoretical Mechanics, three hours; ²Bacteriology, five hours; ³Electricity and Magnetism, three hours; Suggested Electives: History, four hours; Advanced Chemistry, four hours; Philosophy, four hours; Sociology, four hours. Second semester. Theoretical Mechanics, three hours; ³Electrical Measurements, two hours; Suggested Electives: History, four hours; Philosophy, four hours; Psychology, four hours.

PREPARATION FOR LAW.

Students entering the profession of Law, are urged to complete a full four-year course in college. The following course meets the requirements for a bachelor's degree, and at the same time outlines what is believed to be best adapted to meet the needs of law students.

First Year.

First semester. Algebra, three hours; English, four hours; Latin or German, four hours; Mediaeval History, four hours. Second semester. Trigonometry, three hours; English, four hours; Latin or German, four hours; Modern History, four hours.

Second Year.

First semester. English Composition, three hours; Latin or German, three hours; English Political and Constitutional History, four hours; Economics 1. four hours; Science. four hours. Second semester. Exposition, three hours; Latin or German, three hours; English Political and Constitutional History, four hours; Economics as offered, four hours; Science. four hours.

1 Required of Chemical, Sanitary, Electrical, Mining and Electrochemical Engineers.

2 Required of Chemical and Sanitary Engineers.

3 Required of Civil, Mechanical and Electrical Engineers.

Third Year.

First semester. Physics, five hours; Language, three hours; American Constitutional History or Political Science 1, three hours; English Composition, one hour; Economics, four hours; Public Speaking, two hours. Second semester. Physics, five hours; Language, three hours; American Government and Politics or International Law, three hours; Teachers' Composition, one hour; Public Speaking, two hours; Economics as offered, four hours.

Fourth Year.

American Constitutional History or Political Science 1, three hours; Argumentation and Debate, two hours; Sociology and Economics as offered, seven hours; History Journal Club, one hour; Advanced History or Political Science as offered, two hours; Advanced Composition, three hours. Second semester. American Government and Politics or International Law, three hours; Argumentation and Debate, two hours; Sociology and Economics as offered, seven hours; Advanced History or Political Science as offered, two hours; Advanced Composition, three hours; History Journal Club, one hour.

PREPARATION FOR THEOLOGY.

The College offers all the courses usually taken in preparation for the study of theology. The courses outlined under the head of Philosophy, with suitable electives chosen under the direction of the head of that department, meet the approval of most theological seminaries.

PREPARATION FOR TEACHING.

The course for the preparation of teachers is intended to give the broadest and most complete training for high school teaching, consistent with a college course. There are three qualifications about equally essential for a successful teacher, namely: general culture and intelligence, mastery of the subject, and skill in the theory and art of teaching. The course provides for all three of these requirements. Its chief merit lies in the scope and thoroughness of the courses in Education.

No one is recommended as a teacher who has not completed a college course, and earned a bachelor's degree. This course must contain Psychology, and at least one full year of the regular work in Education. It is strongly recommended that all the courses be taken.

The department of Education offers four standard four-hour courses, covering two years, and dealing in a thorough manner with the History and Philosophy of Education, with educative values and the fundamental principles governing method, with the special problems of teaching, management, and constructive ideals of life. Instruction is given in training young people to study and manage their own mental operations, to use libraries and reference books, and to get the right attitude toward life.

The several departments in Ripon College offer Courses for Teachers of those subjects, in which reviews of the elementary matter are given, with special reference to teaching it in high schools.

Systematic and critical observation of high schools in actual operation is a regular part of each year's work. There is also considerable opportunity for getting valuable experience in the actual work of a teacher, through the appointment of fellows and substitute teachers.

To worthy students who have taken these training courses, assistance is given, during the senior year, that they may secure good positions. The efforts of the faculty in this direction have been very successful. School men, understanding the character of the work done and the method of recommendation, are constantly writing for candidates. While no guarantee can be made, it is safe to say that every student who proves worthy, and desires a position, will secure one.

SCHEDULE OF RECITATIONS.

First Semester 1915-1916.

Department	Course	Title	M	T	W	Th	F	S
Bible and Religion Logic	13	Theism Logic	2	2 1		2 1		
Dr. Evans								
Philosophy and Education	E-5	History of Education		8	8	8	8	
	P 1	Method of Nature		9	9	9	9	
	E 9	Religious Education		10	10		10	
	P 3	Ancient Philosophy		11	11	11		
Dr. Mutch								
Classics	3*	Topography of Rome						
	G A	Course for Beginners	9	9	9		9	
	G 1	Xenophon, Homer	2	2		2	2	
	G 5*	Thucydides, Demosthenes						
	L A	Course for Beginners	10	10	10		10	
	L B*	Cicero—Virgil						
	L 1*	Livy						
	L10*	Virgil						
	L12*	Course for Teachers						
English Literature Professor Taintor	1	English Literature		10	10	10	10	
	5	Romantic Movement	11	11	11	11		
	10	American Poets		8	8	8	8	
	3	Shakespeare's Histories	2	2		2		
History and Political Science Professor W. B. Smith	6	Mediaeval History	9	9	9	9		
	7a	English History	11	11		11	11	
	18	Political Science 1	1		1		1	
	14	17th and 18th Centuries		10		10		
	40*	Course for Teachers						
Economics and Sociology Professor Fehlandt	11*	Journal Club						
	E 1	Principles of Economics	1	1		1	1	
	E 3	Money and Banking	2	2		2	2	
	E 5	Labor Problems	11		11		11	
German Professor O. M. Smith Mrs. Hall	S 7	Principles of Sociology		10	10	10	10	
	1	Freshman German:						
		Division 1	11	11	11	11		
		Division 2	2	2		2	2	
	3	Sophomore German	3	3		3		
	5	Lessing-Schiller	10		10		10	
	7	Teachers Course		1		1		
	A	Beginning German (Mrs. Hall)	3	3		3	3	

*Arranged on Consultation.

First Semester 1915-1916—Continued

Department	Course	Title	M	T	W	Th	F	S
Romance Languages Professor Cunningham	S 1	Elementary Spanish	1	1		1	1	
	F 3	Sophomore French	9		9		9	
	F 1	Elementary French:						
		Division 1	10	10	10		10	
		Division 2	2	2		2	2	
	F 5	Junior French	11		11		11	
	S 3	Second Year Spanish	8	11		11		
	F 7	French Literature	3	3		3		
English Com- position Professor Erickson	C 1	Freshman Composition:						
		Division 1	8		8		8	
		Division 2	9		9		9	
		Division 3		1		1	1	
	C 3	Exposition		10		10		
Public Speaking Professor Lyman	9	Argumentation						8-10
	10	Public Speaking						10-12
Mathematics Professor Woodmansee	1	Algebra:						
		Division 1	8		8		8	
		Division 2	1		1		1	
	3	Mechanical Drawing	2-4	2-4		2-4		
	7	Descriptive Geometry	2	2-4				
	8	Analytical Geometry		10		10		
	9	Calculus	10		10		10	
	10	Advanced Calculus	9		9		9	
Biology Professor Talbert	1	General Zoology		8		8		
	1	Laboratory:						
		Division 1	8-10				8-10	
		Division 2	10-12				10-12	
	4	Histology	11		11			
	4	Laboratory		1-3		1-3		
	6	Bacteriology				10		10
	6	Laboratory	1-3	1-3		1-3		
	7	Physiology	10	10	10		10	
	7	Laboratory						9-12
	11	Journal Club				11		
Chemistry Dr. Gilman	1	General Chemistry		1		1	1	
	1	Laboratory:						
		Division 1	2-4				2-4	
		Division 2		8-10		8-10		
	3	Quantitative Analysis				11		
	3	Laboratory:						
		Division 1		1-4		1-4		
		Division 2					1-4	9-12
	6	Organic Chemistry	10		10		10	
	6	Laboratory						8-12
	5	Physiological Chemistry	9					
	5	Laboratory		2-4		2-4		
	9	Colloquium	11					

First Semester 1915-1916—Continued

Department	Course	Title	M	T	W	Th	F	S
Physics Professor Barber	1	Mechanics and Heat		9		9		
	1	Laboratory	8-10		8-10		8-10	
	3	Advanced Light		11		11		
	3	Laboratory:						
		Division 1	1-3				1-3	
		Division 2						8-12
	5	Electricity and Mag- netism	11		11		11	
	6a	Electrical Measurements						8-12
	8a	Colloquium		3				

Second Semester 1915-1916.

Department	Course	Title	M	T	W	Th	F	S
Bible and Religion Dr. Evans		Hebrew Prophecy	2	2		2		
		Ethics		1		1		
Education and Philosophy Dr. Mutch	P 2	Philosophy		9	9	9	9	
	P 4	Modern Philosophy		11	11	11		
	E 6	Pedagogy		8	8	8	8	
	E 11	Psychology		10	10	10	10-12	
Classics Dr. Goodrich	A 3*	Topography of Rome						
	G A	Course for Beginners	9	9	9		9	
	G 2	Xenophon, Homer	2	2		2	2	
	G 6*	Thucydides, Demosthenes						
	L A	Course for Beginners	10	10	10		10	
	L B	Virgil	11	11	11	11		
	L 2*	Horace						
	L 5*	Lucretius						
English Liter- ature Professor Taintor	L12*	Course for Teachers						
	3b	Shakespeare's Comedies		10	10	10	10	
	6	Tennyson, Browning	11	11	11	11		
	4	Milton		8	8	8	8	
History Professor W. B. Smith	9	Bible as Literature	2	2		2		
	8	Modern History	9	9	9	9		
	7b	Constitutional History	11	11		11	11	
	25	International Law	1		1		1	
	16	Nineteenth Century		10		10		
	40*	Course for Teachers						
	11*	Journal Club						
Economics and Sociology Professor Fehlandt	E 2	Economic History	1	1		1	1	
	E 4	Business Administration	2	2		2	2	
	E 6	Transportation	11		11		11	
	S 8	Applied Sociology		10	10	10	10	

*Arranged on Consultation.

Second Semester 1915-1916—Continued

Department	Course	Title	M	T	W	Th	F	S
German	2	Freshman German:						
		Division 1	11	11	11	11		
		Division 2	2	2		2	2	
	4	Sophomore German	3	3		3		
	6	Goethe	10		10		10	
	8	Course for Teachers		1		1		
	A	Beginning German (Mrs. Hall)	3	3		3	3	
Romance Languages	F 2	Elementary French:						
		Division 1	10	10	10		10	
		Division 2	2	2		2	2	
	F 4	Sophomore French	9		9		9	
	F 6	Junior French	11		11		11	
	F 8	French Literature	3	3		3		
Cunningham	S 2	Elementary Spanish	1	1		1	1	
	S 4	Second Year Spanish	8	11		11		
English Compo- sition and Pub- lic Speaking	C 1	Freshman Composition:						
		Division 1	8		8		8	
		Division 2	9		9		9	
		Division 3	1			1	1	
	C 4	Advanced Composition		10		10		
Public Speaking		Oratory						8-10
Professor Lyman		Debate						10-12
Mathematics	2	Plane Trigonometry:						
		Division 1	8		8		8	
		Division 2	1		1		1	
	3	Mechanical Drawing	2-4	2-4		2-4		
	7	Descriptive Geometry	2	2-4				
	8	Analytical Geometry		10		10		
	9	Calculus	10		10		10	
	11	Differential Equations	9		9		9	
Biology	2	General Botany	3				3	
	2	Laboratory	1-3			1-3		
	3	Anatomy of Vertebrates		8		8		
	3	Laboratory:						
		Division 1	8-10				8-10	
		Division 2	10-12				10-12	
	5	Embryology	11		11			
	5	Laboratory	1-3	1-3		1-3		
	8	Paleontology		11		11		
	9	Agricultural Botany		3		3		
	9	Laboratory	1-3			1-3		
	10	Physiology	10	10	10		10	
	11	Journal Club				11		

Second Semester 1915-1916—Continued

Department	Course	Title	M	T	W	Th	F	S
Chemistry Dr. Gilman	2	Quantitative Analysis		1		1		
	2	Laboratory:						
		Division 1	2-4				2-4	
		Division 2		8-10		8-10		
	4	Analytical Chemistry		11		11		
	4	Laboratory		2-4		2-4		
	10	Advanced Organic	10		10			
	10	Laboratory						8-12
	11	Journal Club	11					
Physics Professor Barber	2	Electricity—Light		9		9		
	2	Laboratory	8-10		8-10		8-10	
	4	Heat		11		11		
	4	Laboratory:						
		Division 1	1-3				1-3	
		Division 2						8-12
	6b	Electrical Measurements						8-12
	7	Electron Theory	11		11		11	
	9b	Colloquium		3				

Description of Courses

BIBLE AND RELIGION.

Professor Evans.

These courses are pursued with the same exacting requirements of scholarly work as any other course. The Bible is taught with reverent scholarship, and a knowledge of the Bible is considered an essential element of culture and a practical requisite of life. The courses are given by four men who are especially interested and qualified in their own subject-matter and point of view.

First Semester Courses.

1. **Theism.** In this course the student is led to an appreciation of that system of philosophy which finds its first principle in a Personal God. Open to juniors and seniors. Lectures, Class Discussions, Readings.

Three hours. M., T. Th., 2:15.

13. **Logic.** For description of the course see Logic, under the department of Philosophy.

Second Semester Courses.

2. **The Messages of Hebrew Prophecy.** This vital literature will be studied in its historical and sociological aspects.

Three hours. M., T., Th., 2:15.

4. **Ethics.** The study of moral development, moral principles, and application of morals to present-day problems. Open to juniors and seniors. Text-book: Dewey and Tufts.

T., Th., 1:15.

Alternate Course.

3. **The Life and Letters of the Apostle Paul.** The biography of this great Christian Missionary will be carefully studied from the Book of Acts, and his writings studied in their proper settings, with a view to a perspective of his underlying truths.

Three hours. Alternating with course 2.

5. **Christian Missions.** Text and assigned readings. This course aims to give to the student an intelligent appreciation of the essential place of missions in the progress of Christian civilization.

One hour.

PHILOSOPHY.

Professor Mutch

The subject of Philosophy is not technical, or in any way limited in its interest to the professions. It is closely connected with the sciences, and serves to correlate and unify the various college subjects. It deals with the great and permanent subjects of human thought, such as reality, natural law, conscious personality, materialism, idealism, vitalism, knowledge. Every educated person ought both to have a point of view of his own, and also to know what the world's best thought is on these subjects.

A major in Philosophy will consist in courses 1 and 2 and from twelve to twenty hours selected from the following courses: 3, 4, 15, 16, 13; Education 7, 11; Bible and Religion 1, 4.

First Semester Courses.

1. **Method of Nature.** Class discussions, readings, and lectures on the cosmic, and biological interpretation of the world; mechanism and vitalism. An introduction to the study of Philosophy.

Four hours. T., W., Th., F., 9:00.

3. **History of Ancient Philosophy.** A study of the writings and systems of thought of the classical and mediaeval philosophers, and the evolution of philosophical theory. Consult the head of the department before registering.

Three hours. T., W., Th., 11:15.

Professor Evans.

13. **Logic.** A study of the forms and laws of exact reasoning, with a modern text-book on deductive and inductive Logic.

First semester. Two hours. T., Th., 1:15.

Second Semester Courses.

2. **Philosophy.** A study of the problems of reality, order, and knowledge, with a view to helping each student to work out a philosophy of his own, which will serve him as a basis for his own thought and life. Discussions, text-books and reference reading. This course follows Philosophy 1.

Four hours. T., W., Th., F., 9:00.

4. History of Modern Philosophy. A study of the leading philosophers since Descartes, in relation to the life and thought of their times. Text-books and readings from the authors studied. Consult before registering. This course follows Philosophy 3.

Three hours. T., W., Th., 11:15.

Ethics. See Bible and Religion.

Alternate Courses.

15. Present Day Philosophy. A study of some of the main tendencies of philosophical thought at the present time in Europe and America. This course alternates with Philosophy 3.

Three hours.

16. Philosophy of Religion. The philosophical and psychological basis of the phenomena and doctrines of the Christian religion. This course follows Philosophy 15, and alternates with Philosophy 4.

Three hours.

Theism. See Bible and Religion.

EDUCATION.

Professor Mutch.

Both the nature of the subject of Education and the past experience of this department in Ripon College show that this subject has a "culture value" quite as rich as that of any other subject in a college curriculum. It fits one for the understanding and mastery of self, and so for good citizenship, and for the ordinary responsibilities of home, business, and society.

At the same time, the fact is recognized that a majority of the graduates of Ripon College teach in high schools, normal schools, and colleges. Work is chosen for these courses which experience has shown to be most useful in preparing graduates to meet the requirements of these positions in a broadly competent way. The best modern science and practice of the teaching art is made available. This policy has created a steadily increasing demand for Ripon College teachers.

A state teacher's license will be issued to graduates who have taken Psychology, and Education 5-6, or 7-8. But adequate preparation for teaching requires Education 5, 6, 7, and 8, together with at least one departmental course for teachers. The life certificate for Wisconsin is granted after one year of successful experience in the state.

A major in Education will consist in courses 5, 6, 7, 8, 11, and either 9, or a departmental course for teachers. Philosophy 1, and a minimum of two years in the subject which it is proposed to teach, are also very desirable.

First Semester Courses.

5. History of Education. This course is based on Monroe's "Brief Course in the History of Education." There are some selected outside readings, and an additional study of the history of education in the United States.

Four hours. T., W., Th., F., 8:00.

9. Religious Education. What religion is, its factors and forms; the church school, its history, organization and curriculum; Bible teaching, its aim, gradation, and method; the home, the church, and the public school as related to the subject.

Three hours. T., W., F., 10:15.

Second Semester Courses.

6. Pedagogy. Theory and general method of teaching, based on educational psychology and the best modern practice; special method, training, discipline, school management. A text-book such as Bagley's "Educative Process" is used, with lectures, outside reading, class-room discussions, written papers, observation and supervised practice work. This course follows Education 5.

Four hours. T., W., Th., F., 8:00.

11. Psychology. An elementary course in general Psychology, with a combination of text-book, topical discussion, and simple experiments. While the course is classed under the general head of Education, it is one of the general and fundamental courses which every student should have, and it should not be left until the senior year.

Four hours. T., W., Th., 10:15. F., 10:15-12:15.

Alternate Courses.

7. Philosophy of Education. A study of the fundamental theory of education, especially in its psychological, biological, and sociological aspects. Outside readings, class discussions, written papers. Text-book: Bolton's "Principles of Education." This course alternates with Education 5.

Four hours.

8. **High School Teaching.** A study of the pedagogy of high school work; the organization and curriculum, of the high school, the educational value of the subjects, general and special method; teaching how to study, and to use reference books and libraries. This course follows Education 7. This course alternates with Education 6.

Four hours.

ARCHAEOLOGY.

Professor Goodrich.

First and Second Semesters.

3. **Topography and Monuments of Rome.** The growth of the ancient city from its foundation to the fourth century; the topography of Rome; study of important monuments. Lectures on Roman architecture and sculpture.

One hour. Time to be arranged.

Alternate Courses.

1. **Classical Archaeology.** A study of important centers of ancient civilization, as Knossus, Mycenae, Athens, Delphi, and Olympia. Study of monuments which are most important for a knowledge of Greek architecture and sculpture. Lectures on the minor arts. Emphasis is placed on the relation of archaeology to literature and history.

One hour.

4. **Pompeii and Roman Private Life.** The excavations of Pompeii are studied and made the basis of a course of lectures on the life of the Romans.

Two hours.

GREEK.

Professor Goodrich.

First Semester Courses.

A. **Course for Beginners.** Goodwin's Grammar, Goodwin and White's Anabasis.

A year course. Four hours. M., T., W., F., 9:00.

1. **Xenophon, Homer.** Selections from the Hellenica of Xenophon; Homer's Odyssey, selected portions. Systematic review of grammar.

A year course. Followed by Course 2. Four hours. M., T., Th., F., 2:15.

5. Thucydides, Aeschylus, Demosthenes. Thucydides, the Sicilian Expedition; Aeschylus, Agamemmon; Demosthenes, On the Crown.

A year course. Followed by Course 6. Three hours.

Alternate Courses.

3-4. Plato, Euripides, Aristophanes, Lucian. Plato's Apology and selections from other writings; Euripides, Alcestis and Iphigenia in Tauris; Aristophanes, Acharnians; selections from Lucian.

Three hours.

7. Classical Literature. A study, through English translations, of the masterpieces of Greek and Latin literature, and of the influence of the classics upon the form and content of later literature.

Three hours.

9. Greek Testament. A careful study, text and interpretation of selected passages in the Greek New Testament. Prerequisite: Greek A.

A year course. Two hours.

Second Semester Courses.

A. Course for Beginners. A continuation of the first semester course.

Four hours. M., T., W., F., 9:00.

2. Xenophon, Homer. Following course 1.

Four hours. M., T., Th., F., 2:15.

6. Thucydides, Aeschylus, Demosthenes. Following course 5.

Three hours.

9. Greek Testament. A continuation of the first semester course.

Two hours. T., Th., 1:15.

LATIN.

Professor Goodrich.

First Semester Courses.

A. Course for Beginners. Special attention is given to the presentation of the subject so that a fairly comprehensive knowledge of Latin may be acquired by those who begin the study of it in the freshman year. This course meets the entrance requirements in foreign language, or may be counted for credit toward graduation.

Through the year. Four hours. M., T., W., F., 10:15.

B. Cicero-Virgil. This course follows Course A, or may be taken by students who have had two years Latin in the high school.

Through the year. Four hours. M., T., W., Th., 11:15.

1. **Livy.** Selections from Livy (Burton). **Cicero,** De Senectute. Prose Composition.

Four hours. M., T., W., Th., 11:15.

10. **Virgil.** The class will read the Eclogues, parts of the Georgics, and Books VII-XII of the Aeneid. Study of sources, methods and literary influence of Virgil.

Three hours.

12. **Course for Teachers.** About one half of the time will be given to a study of the more important phases of Latin grammar and to prose composition. Part of the authors usually read in the high school course will be studied.

Discussion of problems connected with the teaching of Latin in secondary schools.

Three hours.

13. **Journal Club.** Reports on books and articles in the current journals and discussion of general topics pertaining to the classics.

Through the year. One hour. Time to be arranged.

Second Semester Courses.

A. Course for Beginners. Continuation of first semester course.

Four hours. M., T., W., F., 10:15.

B. Virgil. Continuation of first semester course.

Four hours.

2. Horace. Odes and Epodes.

Second semester. Four hours. M., T., W., Th., 11:15.

5. Lucretius. De Rerum Natura.

Cicero, Tusculan Disputations, Book I for rapid reading.

Three hours. M., T., Th., 10:15.

12. Course for Teachers. Continuation of first semester course.

Alternate Courses.

3. Latin Literature. Plautus, Captivi, with introductory work in early Latin; selections from the elegiac poets; assigned reading on the literature of the Republic.

Three hours.

4. Latin Literature. Tacitus, Germania and Agricola. Rapid reading of some of the letters of Pliny, and some of the epigrams of Martial. Assigned reading on the literature of the early Empire.

Three hours.

7. Roman Satire. A study of Juvenal and Horace, and of the history of Roman Satire.

Three hours.

8. Roman Comedy. Selected plays of Plautus and Terence. A reading course.

Three hours.

9. The Reign of Tiberius. Tacitus' Annals; Suetonius, Tiberius, and other writings bearing on the history and literature of the period.

Three hours.

GERMAN.

Associate Professor Smith.

Mrs. Hall.

First Semester Courses.

A. Course for Beginners. This course is arranged for students who have not met the college entrance requirements in German. The work, if satisfactorily done, will admit the student to the Freshman German.

Prokosch's "Introduction to German." Reading, dictation, memorizing, reciting in German.

Through the year. Four hours. M., T., Th., F., 3:15.

1. **Freshman German.** This course is intended to continue the work begun in the secondary schools. It is conducted in German.

Study of the novel or the short story; prose composition.

Through the year. Four hours.

Section 1, M., T., W., Th., 11:15.

Section 2, M., T., Th., F., 2:15.

3. **Sophomore German.** This course is conducted entirely in German. Study of the works of Riehl, Rosegger, Saar, Storm, and others. Prose composition.

Three hours. M., T., Th., 3:15.

5. **Lessing-Schiller.** Lives and principal plays are studied. Consideration of the significance of these two dramatists in German literature. Assigned readings and reports.

Three hours. M., W., F., 10:15.

7. **Course for Teachers.** This course is designed for students who are intending to teach, and is open to those who have completed 5 and 6.

Composition on assigned themes with systematic review of the grammar, one hour; survey of the history of German literature, with readings from representative works of each period, one hour.

Discussion of the new methods and their application. Members of this class are called upon to conduct recitations, and are also given opportunity to act as substitute teachers.

Through the year. Two hours. T., Th., 1:15.

Second Semester Courses.

A. **Course for Beginners.** A continuation of first semester course.

Four hours. M., T., Th., F., 3:15.

2. **Freshman German.** Following course 1.

Four hours.

Section 1, M., T., W., Th., 11:15.

Section 2, M., T., Th., F., 2:15.

4. **Sophomore German.** This course is conducted in the same manner as 3. Study of the dramas of Freytag, Fulda, Grillparzer, Sudermann, and Wildenbruch.

Second semester. Three hours. M., T., Th., 3:15.

6. **Goethe's Life and Works.** His plays are studied as the dramatic expression of the poet's period of Storm and Stress and of his classical period. Assigned readings from Bielschowsky's "Life of Goethe."

Second semester. Three hours. M., W., F., 10:15.

8. **Course for Teachers.** Following course 7.

Two hours. T., Th., 1:15.

German Club. This organization to promote facility in the use of the German language and to familiarize the student with the culture and customs of the German people, meets semi-monthly throughout the year. A short Vortrag is held after which the students enjoy a social hour, conversing entirely in German. The club also presents a play during the second semester.

ROMANCE LANGUAGES.

Associate Professor Cunningham.

First Semester Courses.

French.

1. **Elementary French.** The object of this course is to give a grammatical foundation for the later study of French whether literary or practical. Fraser and Squair's French Grammar, Part I will be completed.

Four hours.

Division 1, M., T., W., F., 10:15.

Division 2, M., T., Th., F., 2:15.

3. **Sophomore French.** Readings of the following texts with written summaries, translation and conversation based on them. "Barbier de Seville" Beaumarchais, "Les Trois Mousquetaires" Dumas, "Le Curé de Tours" Balzac; "Colomba" Merimee, "Les Misérables" Hugo. Composition once a week—Koren: "French Composition."

Three hours. M., W., F., 9:00.

5. **Junior French.** Brief outline of history of French literature based on lectures and various assigned readings. Discussions, translation and conversation based on these texts; "Le Cid" Corneille, "L'Avare" Moliere "Athalie" Racine, "Atala" Chateaubriand. Composition once a week—Francois "Advanced French Composition."

Three hours. M., W., F., 11:15.

7. French Literature. General survey of literature from 16th Century to the present time. Use of Vreeland and Michaud "Anthology of French Prose and Poetry." Reading of several modern novels and dramas. Compositions and reports.

Three hours. M., T., Th., 3:15.

Spanish.

1. Elementary Spanish. The object of this course is to give a working knowledge of the fundamentals of Spanish Grammar, and a speaking command of simple idiomatic Spanish. To this end there will be drill in pronunciation, memorizing of vocabularies and idioms, daily written exercises, and dictations. Text-books: Wagner's "Spanish Grammar," "Spanish Tales for Beginners" Hill, an easy novel or play, Alarcon "Sombrero de Tres Picos."

Four hours. M., T., Th., F., 1:15.

3. Second Year Spanish. Reading, composition and conversation. Umphrey "Spanish Prose Composition" and Harrison "Spanish Correspondence" bases of written work. Reading of representative novels and plays with brief resumé of the history of Spanish Literature. "Electra" Galdos, "El Comendador Mendoza" Valera, "Don José" Palacio Valdés.

Three hours. M., 8:00. T., Th., 11:15.

Second Semester Courses.

French.

2. Elementary French. Continuation of Course 1. Composition work from the Grammar once a week. Reading, translation and conversation. Text-book: "French Short Stories," Buffum "Le Voyage de Monsieur Perrichon."

Four hours.

Division 1, M., T., W., F., 10:15.

Division 2, M., T., Th., F., 2:15.

4. Sophomore French. Continuation of Course 3.

Three hours. M., W., F., 9:00.

6. Junior French. Continuation of course 5. Composition and History outline. Text-books: "Notre Dame de Paris" Hugo, "Les Oberlé" Bazin, "La Princesse Lointaine" Rostand.

Three hours. M., W., F., 11:15.

8. **French Literature.** A continuation of Course 7.

Three hours. M., T., Th., 3:15.

Spanish.

2. **Elementary Spanish.** A continuation of Course 1.

Four hours. M., T., Th., F., 1:15.

4. **Second Year Spanish.** A continuation of Course 3.

Three hours. M., 8:00. T., Th., 11:15.

ENGLISH COMPOSITION.

Professor Erickson.

The College requires for graduation a total of ten hours credit in English. Six hours of the ten must be taken during the first year in course C1 in Composition. For the remaining four hours the student may elect either the course in the History of English Literature known as 1a or an advanced course in composition. English C1 is a prerequisite for all other courses in English except 1a.

For other courses in Composition see Public Speaking.

First Semester Courses.

C1. Freshman English Composition. A practical course in written and oral composition. Recitations, themes, and conferences. The longer themes are based on assigned reading and class discussion of certain important essays on vital subjects.

Students who complete this course may be required to take an additional course in composition if they are found later to be careless or deficient in English composition.

Text-book: "English Composition in Theory and Practice" by Canby and others.

This course continues through the year.

Three hours.

Section 1, M., W., F., 8:00.

Section 2, M., W., F., 9:00.

Section 3, M., Th., F., 1:15.

C3. Exposition. This course is designed for students who desire practical ability in composition rather than literary attainment. To this end the models for analysis and imitation are chosen from the best examples of modern scientific writing. The range of subjects in each case will be determined by the student's interest.

Two hours. T., Th., 10:15.

Second Semester Courses.

C1. Freshman English Composition. Continued from first semester course.

Three hours. Schedule same as in first semester.

C4. Advanced Composition. A course in narration and description. The special aim is to develop ease of style, together with clear and vigorous statement. Attention is given to the methods of the best contemporary writers.

Two hours. T., Th., 10:15.

Alternate Courses.

C2. Journalism. A course in the study of newspaper methods, reporting, editorial writing, and feature work. Lectures and assignments. Limited to ten.

C12. Course for Teachers. This course is recommended to students who plan to teach English. It consists of a rapid and comprehensive review of the elements of composition. The work is carried on with a view to impress on the minds of teachers the fundamental principles of effective writing. This course is given in connection with Course 12a under Professor Taintor. Given in alternate years.

DEBATE AND PUBLIC SPEAKING.

Professor Lyman.

Argumentation. This course is an elementary course in applied logic. It deals with concrete situations involving critical constructive thinking, covers also analysis, brief drawing, and persuasion, as vital parts of effective public speaking

Two hours. S., 8:00-10:00.

Public Speaking. A laboratory course in elementary public speaking—covering both the composition and the presentation of short addresses; practice in extempore speaking.

Two hours. S., 10:00-12:00.

ENGLISH LITERATURE.

Professor Taintor.

First Semester Courses.

1. **English Literature to the Victorian Age.** This is in large part a reading course. It is assumed that the student is familiar with the text-book history of the literature. This history is briefly reviewed in the class-room, but the work of the student consists chiefly in reading and in reports upon the most important works of the different periods. It is a sophomore course.

Four hours. T., W., Th., F., 10:15.

10. **The American Poets.** Readings from the representative poets of America. In connection with the course lectures will be given on the Principles of Elementary Criticism.

This course should be taken when possible in the sophomore year.

Four hours. T., W., Th., F., 8:00.

3. **Shakespeare's Historical Plays.** This course is intended for juniors and seniors. It is open to sophomores only by special permission.

Three hours. T., Th., F., 2:15.

5. **The Romantic Movement.** Studies in the poems of Wordsworth, Coleridge, Scott, Byron, Shelley, Keats, with lectures on the age which they represent.

Four hours. M., T., W., Th., 11:15.

Second Semester Courses.

3b. **Shakespeare's Comedies.** This is intended as a sophomore course. It must be taken before the other Shakespeare courses.

Four hours. T., W., Th., F., 10:15.

9. The Bible as Literature. This course attempts to present the great variety of types of literature found in the Old and New Testaments, dealing with them as with similar types found elsewhere.

Three hours. T., Th., F., 2:15.

4. The Age of Milton. Special attention will be given to "Paradise Lost" and "Paradise Regained." Assigned readings and reports on the life and work of Milton. Open to juniors and seniors only.

Four hours. T., W., Th., F., 8:00.

6. The Age of Tennyson. Studies of the poems of Tennyson and Browning. Open to juniors and seniors only.

Four hours. M., T., W., Th., 11:15.

Alternate Courses.

3a. Shakespeare's Tragedies. Given in alternate years with Course 3.

2. Chaucer. This course is given about once in three years.

7. English Prose from Bacon to Ruskin. Given in alternate years with Course 9, unless Course 2 is given.

12a. Course for Teachers. Given in alternate years.

HISTORY AND POLITICAL SCIENCE.

Professor Smith.

Courses 6, 8, 7a, 7b, 12a and 30 constitute the regular three year course in history, which all those majoring in the department should take in regular sequence. Mediaeval and Modern Europe, the freshman course, and English Political and Constitutional History, the regular sophomore course, are given each year. In the junior year, American Constitutional History and American Government and Politics alternate with Political Science 1 and International Law. Thus, those who may not get the former, in their junior year, have the opportunity, while they are seniors. The one and two hour senior courses may be taken by others, with the permission of the department, though none are open to freshmen.

Courses 18, 25, 30, 31, 34 and 35 are to be registered for, as Political Science. Courses 12a and 17 may be offered, with these, to make the twenty hours for a major in Political Science. Courses 30 and 31 may, in like manner, be offered as History.

First Semester Courses.

6. Mediaeval History. This course is a survey of continental Europe from the barbarian invasions to the close of the fifteenth century.

This course is designed especially for freshmen.

Four hours. M., T., W., Th., 9:15.

7a. English Political and Constitutional History. This course is designed as a study of the political and constitutional History of England from the Teutonic conquest of Britain to the establishment of the Tudor dynasty.

This course with 7b constitutes a year course.

Prerequisite: Courses 6 and 8.

Not open to freshmen.

Four hours. M., T., Th., F., 11:15.

18. Political Science 1. This course embraces a study of the general principles of political science; its nature, scope, and methods; the essential constituent elements of the state; and the functions and sphere of the state; citizenship and nationality; the electorate, etc.

Not open to freshmen.

Three hours. M., W., F., 1:15.

14. Europe in the 17th and 18th Centuries. This course is a study of the rise of France to pre-eminent power, and the beginnings of her decay; the rise of Prussia and Russia; England's expansion in these centuries; the French Revolution; the Napoleonic Era.

Prerequisite: Courses 7 and 8.

Two hours. T., Th., 10:15.

40. Course for Teachers. Actual practice work in conducting history classes; bibliographical study; special reviews.

Open only to seniors who intend to teach.

One hour. To be arranged.

11. Journal Club. Reports on current writings in history and political science. Papers to be contributed by members of the class. Bibliographical study. Open discussion of points that may arise in other courses, where time does not admit of detailed consideration.

Prerequisite 12 hours in the department.

One hour. To be arranged.

Second Semester Courses.

8. Modern History. This course is a general survey of Europe from the close of the fifteenth century to the present day. It is a continuation of Course 6.

This course is designed especially for freshmen.

Four hours. M., T., W., Th., 9:15.

7b. English Political and Constitutional History. This course is a continuation of Course 7a. It embraces a study of the political and the constitutional history of England from the accession of the Tudors.

Prerequisite: Course 7a.

Four hours. M., T., Th., F., 11:15.

25. International Law and Diplomatic History of the United States. Using Wilson's "International Law" as a text, application will be made, whenever possible, of the principles as they occur in American diplomatic history. Moore's "Digest of International Law" will be used constantly in conjunction with the text.

The instructor's approval must be secured before registration.

Three hours. M., W., F., 1:15.

16. Europe in the 19th Century. This course is concerned with a study of European affairs from 1815 to the present time. It lays emphasis upon the effects of the revolutionary movements of the century, the development of the ideal of nationality, the unification of Germany and of Italy, the British and Russian Empires in the nineteenth century; the Eastern question, the expansion of Europe.

Prerequisite: Course 14. Two hours. T., Th., 10:15.

40. Course for Teachers. Actual practice work in conducting history classes; bibliographical study; special reviews.

Open only to seniors who intend to teach.

One hour. To be arranged.

11. Journal Club. Reports on current writings in history and political science. Papers to be contributed by members of the class. Bibliographical study. Open discussions of points that may arise in other courses, where time does not admit of detailed consideration.

Prerequisite 12 hours in the department.

One hour. To be arranged.

Alternate Courses.

9. Ancient History. A general review course, especially for those who expect to teach it in high school.

12a. American Constitutional History. A lecture course developing, in the colonial period, the background of the Constitution, and the history of the Constitutional Convention. No text; outside reading of 125 pages per week.

Prerequisite: This course alternates with 18.

Three hours.

30. American Government and Politics. Review of the federal executive, legislature, and judiciary; and study of present tendencies in government. Concurrent study of political parties and national problems.

Prerequisite: 12a, of which this is the continuation.

This course alternates with 25.

Three hours.

19. The Twentieth Century. The purpose of this course is to study, in so far as possible, the developments of the present century. The Balkan War, the progress of the great war, the signs of change, and matters of current interest will be investigated. When available, authoritative writings will be used, though a considerable part of the work will naturally have to be based on current literature.

Prerequisite: Course 16, 25 or 30.

Two hours.

20. Social History of the American Colonies.

Prerequisite: Courses 7a and 7b.

Two hours.

21. The South and the West in American History.

Prerequisite: Course 12a.

Two hours.

31. Presidential Elections. The course consists of written reports on the conditions, issues, candidates, campaign and results of each of the more important presidential elections. Following their presentation, papers are subject to open class discussion.

Prerequisite: 12 hours in the department.

Two hours.

34. Wisconsin. A brief review of the political history of the state and its system of government; followed by a series of reports on the more important present issues.

Prerequisite: Course 18 or Course 30. Two hours.

35. Municipal Government. Special reports on assigned cities, following scheme of a text as to particular topics treated.

Open to juniors and seniors.

Two hours.

ECONOMICS AND SOCIOLOGY.

Professor Fehlandt.

ECONOMICS.

First Semester Courses.

1. The Principles of Economics. This course is designed to give a perspective of the entire economic field. It aims to give students a firm grasp upon fundamental economic principles, enabling them to think their way through the vital problems of the present day. Indispensable for intelligent citizenship or for further specialized study. Brief history of economic thought, with outline of present tendencies.

Four hours. M., T., Th., F., 1:15.

3. Money, Credit and Banking. Nature and function of money. Its historic and present forms. Money and price. The currency system of the United States. Credit. The bank and banking systems. Panics. Recent currency and banking reform. The Federal Reserve Banking system.

Prerequisite: Economics 1.

Four hours. M., T., Th., F., 2:15.

5. Labor Problems. Historical: slavery, serfdom. Emancipation—freedom of person. The industrial revolution, the factory system, the emergence of a working class. New problems of labor. Organization. The history, program, and progress of the organized labor movement. Industrial disputes. Emergence of a third interested party—the public. Mediation, arbitration. Legislation and outlook.

Three hours. M., W., F., 11:15.

Second Semester Courses.

2. Economic History of the United States. Natural resources. Economic aspects of colonization and relations to the mother country. Westward expansion. Our tariff, patent, and land policies in relation to the economic development of our country. Railroads as empire builders. Recent industrial tendencies, and governmental problems to which these have given rise.

Four hours. M., T., Th., F., 1:15.

4. Business Administration. The various forms of business organization. The corporation—its nature, prevalence, and advantage in large scale industry. The "trust." Scientific management. Social and legal considerations.

Four hours. M., T., Th., F., 2:15.

6. Transportation. Communication as an economic factor. Early means of travel and trade. Roads and public highways. Canals, railways. Railway development in the United States. Competition, pooling, trade agreements, the holding company. Government regulation—the interstate commerce commission, state railway commissions. Railroads and internal waterways.

Three hours. M., W., F., 11:15.

SOCIOLOGY.**First Semester Course.**

7. The Principles of Sociology. History and development of this science. Relation to biology. Man and cosmic evolution. Mind and the universal dominion of man. Human life the group life. Its advantages under the universal law of struggle. The family; tribe, clan, nation. Genesis of ethical ideas. Function of religion in struggle of man with man, of man with himself. Principles of human association; its factors, processes and possibilities.

Four hours. T., W., Th., F., 10:15.

Second Semester Course.

8. Problems of Applied Sociology. The telic factor in sociology; organizing social forces for social improvement. Study of some present problems in the light of sociological and ethical principles—the family, immigration and the growth of population, the negro, the city, intemperance, crime. Socialism in the light of sociology.

Four hours. T., W., Th., F., 10:15.

Alternate Courses.

9. Social Methods. Our attitude today toward the criminal, the delinquent, the defective. Principles of correction and relief. Getting at the source: prevention. Other methods of attack: social insurance, educating for efficiency, for citizenship. Eugenics. The social survey, the social exhibit.

Three hours.

10. American Society. A study of certain distinctive features in the social life of the United States, and the appraisal of certain tendencies, as seen in the press, the pulpit, the theater, labor unions, woman's clubs, the movement for rural uplift, features of our political life, etc.

Three hours.

MATHEMATICS.

Professor Woodmansee.

First Semester Courses.

1. Algebra. The course begins with a brief review of the topics covered by the college entrance requirements in algebra. The remainder of the course is given to the study of the properties of quadratic equations, with special emphasis upon their graphical interpretation; mathematical induction; variation; progressions; permutations and combinations; binomial theorem; the general theory of equations with one unknown; the elements of determinants; complex numbers and undetermined coefficients.

Three hours.

Section 1, M., W., F., 8:00.

Section 2, M., W., F., 1:15.

3. Mechanical Drawing. Use of instruments; graphical solution of conic sections; orthographic projection; isometric projection; development of surfaces; intersection of surfaces; working drawings; lettering; tracing.

A year course. Continued in second semester.

Three hours. M., T., Th., 2:15-4:15.

7. Descriptive Geometry. Problems relating to the point, line and plane; revolution and counter-revolution of objects; curved lines and surfaces; tangent planes; plane sections and development of surfaces.

One recitation and three hours' drawing.

Prerequisite: Mathematics 3.

A year course. Continued in second semester.

Two hours. M., 2:15. T., 2:15-4:15.

8. Analytical Geometry. The point; loci; the straight line; transformation of co-ordinates; the circle; conic sections including a discussion of the general equation of the second degree; transcendental curves; parametric equations. A brief course on the Analytical Geometry of three dimensions.

Prerequisite: Mathematics 1 and 2.

A year course. Continued in second semester.

Two hours. T., Th., 10:15.

9. Essentials of Calculus. Rates and limits; rules for differentiation; tangents and normals; maxima and minima; points of inflection; theorems of mean value; Taylor's theorem; curvature; definite and indefinite integrals; rules for integration; applications to finding volumes, center of gravity, moments of inertia, etc.

The traditional division of the Calculus into Differential Calculus and Integral Calculus has been largely disregarded in this course, but the principles of each are developed together. By this arrangement it is hoped the student will obtain a better grasp on the subject as a whole. The course is designed to give the student the necessary foundation in the fundamentals of the subject, and so arranged that he may be led by easy steps into simple applications of the Calculus to physical and engineering phenomena.

Prerequisite: Mathematics 8. Must be taken with this course, if not previously taken.

A year course. Continued in the second semester.

Three hours. M., W., F., 10:15.

10. Advanced Calculus. This course supplements Mathematics 9 and is devoted to the more advanced and difficult topics of the subject. Special attention is given to such topics as infinitesimals and differentials; partial differentiation; definite integrals over curves, surfaces and volumes; maxima and minima of two or more variables.

Prerequisite: Mathematics 9.

Three hours. M., W., F., 9:00.

Second Semester Courses.

2. Plane Trigonometry. This course covers the elementary theory of trigonometric functions and the elements of logarithms.

Three hours.

Section 1, M., W., F., 8:00.

Section 2, M., W., F., 1:15.

3. Mechanical Drawing. A continuation of the first semester course.

Three hours. M., T., Th., 2:15-4:15.

7. Descriptive Geometry. A continuation of the first semester course.

Two hours. M., 2:15. T., 2:15-4:15.

8. Analytical Geometry. A continuation of the first semester course.

Two hours. T., Th., 10:15.

9. Essentials of Calculus. A continuation of the first semester course.

Three hours. M., W., F., 10:15.

11. Differential Equations. Derivation of differential equations; differential equations of first order and first degree; differential equations of first order and higher degrees; singular solutions; linear differential equations; special forms of differential equations of higher orders; simultaneous, differential equations; geometric and physical applications; Fourier series; infinite series.

Prerequisite: Mathematics 9.

Three hours. M., W., F., 9:00.

Alternate Courses.

12. Theoretical Mechanics. Statics; motion of a particle under constant or varying forces; work and energy; motion of systems of particles under constant or varying forces; motion of rigid bodies.

Prerequisite: Mathematics 9.

A year course. Alternating with Course 10. Three hours.

15. Plane Surveying. This course is intended to fit the needs of those students who wish a general course in surveying. A study of the theory of land surveying, leveling, profile, triangulation and topographical work will be given. Practice in the use and adjustment of instruments. Care in proper field notes and office platting will be emphasized.

Prerequisite: Mathematics 2.

Three hours.

BIOLOGY.

Professor Talbert.

The department of Biology has courses that are well adapted for general culture, and for specialization. Those who intend to teach or to study medicine, agriculture or forestry, will find suitable courses, and laboratories well equipped for these special subjects.

First Semester Courses.

1. General Zoology. The anatomy, and to some extent the physiology, embryology, taxonomy, behavior and habitat of invertebrate animals are studied. Dissections and drawings are made of representatives of the most important classes of invertebrates.

Text-books: Hegner's "College Zoology." Laboratory guide: Pratt's "Invertebrate Zoology."

Four hours. T., Th., 8:00;

Laboratory, Division 1, M., F., 8:00-10:00;

Division 2, M., F., 10:00-12:00.

4. Histology. The student who has completed Course 3 on the gross anatomy of animals, is prepared to study the microscopic structure of the various tissues. Each student prepares sections, stains, and mounts tissues, and makes drawings from his own preparations and from slides belonging to the department. This course is well adapted for those anticipating medicine, agriculture or forestry.

Prerequisite: Course 3.

Text-book: "Histology," Hill.

Four hours. M., W., 11:15; Laboratory, T., Th., 1:00-3:15.

6. Bacteriology. This course is intended to give training in bacteriological technique, and to give a knowledge of the principles of bacteriology. The characteristics of a number of typical bacteria are worked out in detail, and then the names of unknown species are determined. Experiments are performed, illustrating the physiological characteristics of bacteria. Quantitative analyses are made of air, milk, water. Those who desire this course as a preparation for agriculture can make suitable arrangements as to hours and special work.

Text-books: "Laboratory Manual," Frost, and "General Bacteriology," Jordan.

Five hours: Th., S., 10:15; Laboratory, M., T., Th., 1:15-3:15.

7. Physiology. This course is especially valuable to those intending to study medicine. It will also be found helpful by students intending to teach, and by those taking courses in psychology. The subject is taught by lectures, recitations, demonstrations and laboratory work. Much attention is given in the laboratory to muscle and nerve preparations, extrinsic and intrinsic action on the heart, blood pressure, vasomotor action, mechanical and chemical action of respiration, tests for foods and the artificial digestion of foods, functions of brain, spinal cord, and special senses.

Text-books: "Introduction to Physiology," Porter, and Howell's "Text-book of Physiology."

Five hours. M., T., W., F., 10:15; Laboratory, S., 9-12.

11. Journal Club. This course consists mainly of the review of articles in the biological journals. Only students who are making biology their major subjects or are advanced students in biology are admitted to this class. By this course the student comes in touch with the latest research. He acquires a special discipline in the reviewing of articles before a class.

A year course. Continued in second semester.

One hour. Th., 11:15.

Second Semester Courses.

2. General Botany. A study of the morphology and physiology of the types of all classes beginning with the unicellular forms and ending with the flowering plant, much emphasis being laid on the development from the evolutionary standpoint.

Text-book: Parker's "Biology."

Four hours. M., F., 3:15; Laboratory, M., Th., 1:15-3:15.

3. Comparative Anatomy of Vertebrates. This course is designed to give an idea of the life history of vertebrates. The frog is taken as a type, and a fairly complete study is made of its natural history, anatomy, physiology, and development. Instinct, intelligence, adaptation to environment, etc., are also discussed. This is followed by a comparative study of different types of chordates like the balanoglossus, amphioxus, petromyzon, shark, necturus, frog, pigeon and some mammal, which is intended to give the student a comprehensive knowledge of the structure and development of vertebrates in general, for a better understanding of the position of each in the evolutionary history of the group.

Text-books: Pratt's "Vertebrate Zoology" and Hegner's "College Zoology."

Four hours. T., Th., 8:00; Laboratory, Division 1, M., F., 8:00-10:00. Division 2, M., F., 10:00-12:00.

5. Embryology. Work is confined to the embryology of vertebrates, the frog and the chick serving as types. The laboratory is provided with an incubator, and each student makes preparations of the different stages of development of the types studied. This course and No. 4 will give a student advanced credits in all the leading medical colleges.

Prerequisite: Courses 3 and 4.

Text-book: Lillie's "Development of Chick."

Five hours. M., W., 11:15; Laboratory, M., T., Th., 1:15-3:15.

8. Paleontology. This is a course for the study of extinct animals, which is especially valuable for those who have studied Comparative Anatomy and Embryology. The former is considered a prerequisite, while the latter would be helpful. This subject will give a student a clearer insight into the evolutionary developments of animals. The museum is well equipped in fossils, especially those of the Wisconsin formations. The laboratory work consists of a study of these fossils.

Text-books: "Extinct Animals," Lankester; "Paleontology," Zittel.

Second semester. Two hours. T., Th., 11:15.

9. Agricultural Botany. This course is especially adapted for students who are interested in agriculture and forestry. While some time is devoted to morphology and physiology, especial emphasis is placed upon the classification of cultivated plants and their parasitic fungi.

General Botany, Course 2, is recommended as a prerequisite.

Text-books: Percival's "Agricultural Botany," with references in the various agricultural experimental station publications.

Four hours. T., Th., 3:15; Laboratory, M., Th., 1:15-3:15.

10. Physiology and Hygiene. This course is open, without prerequisite, to all college students. Only enough anatomy is studied to give the necessary foundation for an understanding of the workings of the human body. Much of the time is devoted to questions of personal hygiene and public health. Lectures, demonstrations, and recitations, with a few laboratory exercises.

Text-book: Martin's "Human Body," Advanced.

Four hours. M., T., W., F., 10:15.

11. Journal Club. A continuation of the first semester course.

One hour. To be arranged.

CHEMISTRY.

Professor Gilman.

Mr. Krause.

The department of Chemistry, in a variety of courses, offers to the students ample facilities to prepare themselves for modern laboratory practice. The work of the first year con-

sists of a thorough course in general chemistry and qualitative analysis, including lectures, recitations, and laboratory experiments. During the second year the students are given a systematic training in analytical methods, which is followed in the third year with courses in organic chemistry, and in the fourth year with courses in physiological and industrial chemistry. To students intending to pursue the study of medicine, opportunity is given to prepare for meeting the requirements now prescribed for candidates by the foremost medical schools of the country.

First Semester Courses.

1. General Chemistry. The work in this department begins with a course in elementary inorganic chemistry, with laboratory practice. It includes a study of the fundamental laws, and the non-metallic elements and their compounds. Lectures, recitations, quizzes, problems.

Prerequisite: Elementary Physics.

Five hours. T., Th., F., 1:15; Laboratory, M., F., 2:15-4:15 or T., Th., 8:00-10:00.

3. Quantitative Analysis. Lectures, recitations, and laboratory practice in the use of the methods of gravimetric and colorimetric analysis; separation and estimation of metals, acids, and water of crystallization.

Prerequisite: Chemistry 2.

Four hours. Th., 11:15; Laboratory, M., T., Th., 1:15-4:15 or F., 1:15-4:15, S., 9:00-12:00.

6. Organic Chemistry. A course in general organic chemistry. Lectures, recitations, and laboratory work. The Aliphatic Series with special reference to the more important hydrocarbons and their derivatives.

Prerequisite: Chemistry 4.

Five hours. M., W., F., 10:15; Laboratory, S., 8:00-12:00.

5. Medical and Physiological Chemistry. A technical course for those who are preparing for the medical profession. This includes the examination of blood, muscular tissue, gastric digestion, testing of milk, and urinary analysis.

Prerequisite: Chemistry.

Three hours. M., 9:00; Laboratory, T., Th., 2:00-4:00.

9. History of Chemistry. This course is designed for advanced students. During the first semester a study will be made of the history of chemistry, and during the second semester the historical development of the important theories of chemistry.

Prerequisite: Chemistry 4.

One hour. M., 11:15.

8. Research Work. This course is designed for advanced students in chemistry. Special subjects, and the amount of credit, will be arranged on consultation with the instructor.

Second Semester Courses.

2. Qualitative Analysis. This is a continuation of course 1. A careful investigation of the metallic elements and their compounds is made during the first part of the semester, and the remainder of the time is devoted to Qualitative Analysis.

Prerequisite: Chemistry 1.

Four hours. T., Th., 1:15; Laboratory, M., F., 2:15-4:15 or T., Th., 8:00-10:00.

4. Analytical Chemistry. This is a continuation of course 3. Special applications of volumetric analysis; analysis of alloys, mineral and water analyses.

Prerequisite: Chemistry 3.

Four hours. T., Th., 11:15; Laboratory, T., Th., 2:15-4:15.

10. Advanced Organic Chemistry. The Aromatic Series. Lectures, recitations, and laboratory work.

Prerequisite: Chemistry 6.

Four hours. M., W., 10:15; Laboratory, S., 8:00-12:00.

12. Industrial Chemistry. Lectures and collateral reading, and laboratory practice. The subjects are: Cement, mortar and building material, milk products, cereals, starch, sugar, meat, oils, fats and soaps. Bleaching and dyeing. Tanning.

Prerequisite: Chemistry 6.

Four hours. M., W., 11:15; Laboratory, S., 8:00-12:00.

9. History of Chemistry. Continuing first semester course.

One hour. M., 1:15.

8. **Research Work.** Continuing first semester course.

Alternate course.

11. **Journal Club.** This course consists of discussion of articles appearing in the scientific magazines. An elective course for students in advanced Chemistry.

One hour through the year.

PHYSICS.

Professor Barber.

Physics A-B. An introductory course in physics for students who wish to become acquainted with the results, methods, and spirit of the science, whether they intend to pursue its study further, or wish an elementary knowledge of physics only as a matter of general information. This course is arranged primarily for students who do not present elementary physics for entrance.

Text-book: "First Course in Physics," Millikan and Gale.

Through the year. Four hours. Arranged on consultation.

General Physics. Fundamental principles of physical science for those contemplating the study of any pure science, or engineering, or medicine, or teaching, are presented mainly from the experimental standpoint. The instruction in lectures, recitations, quizzes, problem papers and private readings is entirely concerned with the principles studied in the laboratory and the practical applications of the same. In this manner, a thorough grasp of foundation principles is obtained, by continually connecting theory and experiment.

The laboratory work is exclusively quantitative, the aim being to present the subject as a science of exact measurement. The apparatus is all new, and much of it but recently designed for this particular line of work. With it, the student is put in touch with the methods and instruments of modern physical investigation.

Prerequisite: Trigonometry.

General reference text: "Physics," Watson, or "College Physics," Reed and Guthe.

First Semester Courses.**1. Mechanics, Molecular Physics and Heat.**

Text-book: "Mechanics, Molecular Physics and Heat," Millikan.

Five hours. T., Th., 9:00; Laboratory, M., W., F., 8-00-10:00.

Second division arranged on consultation.

3. Advanced Course in Light. Geometrical and Physical Optics will be treated in detail. Under the former head, some of the most important optical instruments will be studied; under the latter, the wave theory of light will be developed.

This course aims to be a practical and useful study of optics, as well as to give a careful scientific explanation of many optical phenomena of common experience, spectroscopy, diffraction, dispersion, interference, and polarization will be discussed thoroughly in lecture and recitation, and this discussion followed by accurate measurements in the laboratory, which is thoroughly equipped for this work.

Prerequisite: Courses 1 and 2. Calculus is advised but not required.

Text-book: "Light for Students," Edser.

Reference text: "The Theory of Light," Preston.

Four hours. T., Th., 11:15; Laboratory, M., F., 1:15-3:15; or S., 8:00-12:00.

5. Mathematical Theory of Electricity and Magnetism.

This course discusses the fundamental principles of the mathematical theory of electricity and magnetism and their more important applications.

Prerequisite: Courses 1, 2, and Calculus.

Course 6a is designed to accompany this course.

Text-book: Foster and Porter's "Electricity and Magnetism" founded on Joubert's "Traité Élémentaire d'Électricité."

First semester. Three hours. M., W., F., 11:15.

6a. Electrical Measurements. A laboratory course of systematic instruction in precise electrical measurements for students of Physics and Electrical Engineering.

Prerequisite: Courses 1, 2, and Calculus.

Text-books: "Electrical Measurements," Carhart and Patterson; "Practical Electrical Testing in Physics and Electrical Engineering," Parr.

A year course. Followed by 6b. Two hours. Laboratory, S., 8:00-12:00.

8a. Colloquium. At the weekly meetings the students present before the class, for informal discussion, subjects not treated in the class-room, and reviews of articles appearing in the scientific journals. The course also aims to teach the student the efficient use of a reference library, and of the various indexes and catalogues. Each student is required to prepare a bibliography of some one physical subject. The work of the colloquium has an excellent effect in training students to present their ideas in a systematic manner before an auditory.

Open only to students who take their major or minor in Physics.

A year course. Followed by 8b. One hour. T., 3:15.

Second Semester Courses.

2. Electricity, Magnetism, Sound and Light.

Text-book: "Electricity, Sound and Light," Millikan and Mills.

Five hours as in Course 1.

4. Advanced Course in Heat and Molecular Physics. The aim of this course is to give a comprehensive view of the science of heat in its theoretical and experimental aspects. It has been found to be of especial value as an introduction to the graduate courses in physical chemistry and mechanical engineering as offered in the universities and technical schools. The laboratory exercises consist of exact measurements in mercurial and air thermometry, calorimetry, mechanical equivalent of heat, coefficients of expansion and conductivity, vapor pressures and densities, freezing and boiling points, latent and specific heats, hygrometry and pyrometry. Particular attention will be given to the errors peculiar to heat measurements and the elimination of the same.

Prerequisite: Courses 1 and 2.

Text-books: "Heat for Advanced Students," Edser. Reference text: "Theory of Heat," Preston.

Four hours. T., Th., 11:15; Laboratory, M., F., 1:15-3:15; or S., 8:00-12:00.

6b. Electrical Measurements. A laboratory course of systematic instruction in precise electrical measurements for students of Physics and Electrical Engineering.

Prerequisite: Courses 1, 2, and Calculus.

Text-books: "Electrical Measurements," Carhart and Patterson; "Practical Electrical Testing in Physics and Electrical Engineering," Parr.

A year course. Following 6a. Two hours. Laboratory, S., 8:00-12:00.

7. Electron Theory. This course will be concerned with the development of the so-called "machinery" of the electron theory. Particular attention will be given to the very recent literature of the subject contained in the scientific magazines. Many of the facts and theories of the "Kinetic Theory of Gases" will be shown to have a physical as well as a mathematical basis.

Prerequisite: Courses 1, 2 and 5.

Three hours. M., W., F., 11:15.

8b. Colloquium. This course follows Course 8a, and must be taken in connection with that course.

Open only to students who take their major or minor in Physics.

One hour. T., 3:15.

Alternate Courses.

9. History of Physics. A course devoted to readings and discussions, in order that the student may become acquainted with the historical development of Physics.

Open only to juniors and seniors in Physics.

Text-book: "History of Physics," Cajori.

Reference text: "History of the Inductive Sciences," Whewell.

One hour. Arranged on consultation. This course will alternate with 8b.

10. Course for Teachers. A course designed especially to meet the needs of students who expect to teach Physics in the secondary schools.

Prerequisite: Courses 1, 2, 3, and 4.

Two hours. Arranged on consultation.

The College Awards

DEGREES.

Bachelor of Arts. The degree of Bachelor of Arts is conferred by the Board of Trustees, after recommendation by the Faculty, upon those candidates who have completed the collegiate requirements. These are as follows: A total credit of one hundred and twenty semester hours in the college courses; at least 124 honor credits, or an average mark in all subjects of C or higher; an acceptable thesis upon some theme related to the major subject of his course, or, as a substitute for the thesis, an advanced course during the senior year. The time required for the fulfillment of these conditions is usually four years.

Master of Arts. The degree of Master of Arts may be conferred upon any graduate of this College, or of any college offering substantially equivalent courses, who shall have completed an approved course of non-professional study equivalent to an additional year of college work, one-half of which, at least, is in a single department or in closely related departments. This work may be done during one year in residence at the College, or in the case of graduates of this College, during two years of non-residence. Examinations are required in all work of the approved course, and a satisfactory thesis upon some phase of the course must be presented at least one month before the close of the college year. Fees for all special examinations and the usual fee for the diploma are required.

PRIZES AND HONORS.

Mrs. John James English Prize Fund. From the interest of a fund of \$1,500 given by Mrs. John James, of Boston, for the encouragement of English Composition in the College, the following prizes are offered for this year.

Freshman Composition. For general ability in composition, as indicated partly by the class record in English C1, and partly by a final test, five prizes are offered: one of \$15.00, one of \$10.00, and three of \$5.00 each.

Other prizes from this fund are occasionally given at the discretion of the Faculty on recommendation from the English department.

Class of 1891 Prize for Oratory. A silver cup, valued at \$65, upon which shall be inscribed from year to year, between 1906 and 1915, the names of the winners in the home oratorical contest. The cup is to be the property of the College, and will be kept on exhibition in some suitable place.

J. T. Lewis Prize Fund. This was established by Hon. J. T. Lewis, of Columbus. The annual income of a fund of \$200 will be awarded to the student who prepares the best set of notes and drawings on the biological work of the freshman year. It will not be granted for inferior work.

Class of 1896 Memorial Prize Fund. The income, about \$20.00, of the Memorial Prize Fund of the class of 1896, will be awarded the successful contestant in a declamatory contest between members of the junior class each year.

Prize Scholarship. To encourage students of special promise in graduate study, a friend of the College offers, as a prize, one year's tuition in the graduate school of either the University of Chicago or the University of Wisconsin. This prize is open to students of History, Economics, Law, Language and Literature, Philosophy, or Education. The award is made by the faculty to the member of the senior class who shows the greatest proficiency in the studies of the undergraduate course and the best preparation for graduate study.

Department Fellowships. The head of each department has the privilege of recommending, for ratification by a vote of the faculty, one advanced student of high standing as Fellow in the department.

The Rhodes Scholarships. In order to keep this well-known bequest before the minds of present or prospective students, it is briefly mentioned here. Circulars of full information can be obtained at the registrar's office. Any male student, who is a citizen of the United States and unmarried, not less than nineteen nor more than twenty-four years of age, and who has reached the end of his sophomore year of study, may be a candidate for one of the Wisconsin scholarships. This insures to the winning contestants among the schools of the State a three-year residence in Oxford University, England.

All competitors must be prepared to take an examination in the following subjects: Arithmetic, the elements of Algebra or the elements of Geometry, Greek and Latin Grammar, translation from English into Latin, one Greek and one Latin book from authors such as Caesar, Cicero, Livy, Horace, Virgil, Homer, Xenophon, Plato, Sophocles, Euripides, and Demosthenes.

University Fellowship. The University of Wisconsin, through its President, has extended to Ripon College an invitation to appoint one of its graduates each year to a Fellowship in the University. The value of this Fellowship is \$225 a year.

The College Administration

THE COLLEGE YEAR.

The College year is divided into semesters. For the coming year the first semester begins on Tuesday, September 14, 1915; the second on January 31, 1916. A number of courses, complete in themselves, begin in the second semester. Students who enter College at that time, will be able to avail themselves of such courses.

Besides the usual legal holidays, there are two vacations during the year, one at Christmas and one in the Spring. The Easter vacation for 1915 begins on Thursday, April 1, at 3:15 p. m., and ends at 8:00 a. m. Tuesday, April 13. The Christmas vacation for 1915 begins on Wednesday, December 23, at noon and ends at 8:00 a. m. Tuesday, January 4, 1916. The Thanksgiving recess begins at 10:00 a. m. on the Wednesday preceding Thanksgiving day, and ends at noon on the Monday following.

GOVERNMENT.

The College has few rules governing the conduct of students. In general it is expected that they will conduct themselves in an orderly way, with due regard for the rights of others, and in such manner as will conduce to best work in College.

Students are forbidden to smoke on the campus or athletic field. Visiting saloons is considered sufficient cause for dismissal from College.

In matters of general order or common interest, the students are represented by an Advisory Council, which meets with the college officers of discipline. This Council consists of five students, who are selected by the faculty from the whole student body.

The policy of the College toward student activities is to put each under a Board of Control, consisting of a representative of the Board of Trustees, two members of the faculty, and two students. This Board has general oversight of the finances and policy of the activity which it represents. All details, however, are managed by the student officers. This method is employed in the control of the Dormitories, Commons, Oratory and Debate, and Athletics.

COLLEGE EXERCISES.

Class Records.

Examinations are held at the end of each semester, or at intervals during the semester, in all courses. At the end of each semester the marks are handed in, and the record for that semester is closed.

Class Standings are indicated by letters. A, B, C, D, are passing. If a student fails in a course, credit can be secured only by repeating the course in class. If a student is conditioned in a subject, the condition must be removed by examination taken on the day appointed for this purpose. The date for removing conditions of the first semester is the last Wednesday in February, and for condition of the second semester, the first Wednesday in October. A general average of C in all subjects is required.

Reports of standings are sent at the close of each semester to the student's parents.

Absence from Class or Chapel.

Regular Attendance is expected on all class and laboratory exercises and on Chapel and Vesper services. If the absences in a given course exceed by one the number of semester credits in that course, the student is immediately dropped from that class, and can return only after being reinstated by the Dean of the College, with the concurrence of the Professor in charge. After being reinstated, a student is dropped for an additional absence. Chapel absences to the number of fifteen are permitted during a semester, a Vesper service counting as four chapel services. For each absence in addition to the fifteen, two honor credits will be deducted from the student's honor credits for the semester.

If, for any good reason, a student is excused from chapel, he will be required to make ten honor credits per semester in addition to the number required of all students.

A student who is absent from the last recitation period preceding the Christmas or Easter vacation, or the Thanksgiving recess, or from the first recitation following such vacations, will not be allowed to take the regular final examination in the subject missed, but may take it when the next regular examination in the subject is given.

The College Life

STUDENT FELLOWSHIP.

One of the inherent advantages of colleges of the size of Ripon is that students are brought into closer relations with their instructors, and into sympathy with one another. The College is a social democracy. In class-room, at the commons, in the dormitories, and on the campus, the equal rights and equal privileges of all students are fully recognized. Class or college functions through the year, sometimes initiated by the students, sometimes by members of the faculty, contribute to the social enjoyment of the students.

RELIGIOUS LIFE.

The College is distinctly Christian, and regards the development of Christian character as its greatest work. It is unsectarian in its management. On entrance, the student names the church of his preference. Lists are sent to the pastors of these churches. Every student is given a definite personal welcome in the church of his choice.

Once each month a special Vesper Service, under college auspices, is held in the Congregational Church. This is made possible by the courtesy of the Church, and the co-operation of the pastor. Often an exchange is effected with a minister from Wisconsin or from a neighboring state, who addresses the students on some vital and practical theme.

At other times a layman, prominent in religious work, is secured. The Chapel Service is held four days in each week. Attendance at the Chapel Service and at the monthly Vesper Service is required. All other services are voluntary.

The Association meetings on Sunday and Thursday afternoons, and the Bible study class, are under the management of the Christian Associations. These associations send delegates to the various state and national conferences. At the beginning of the college year members of the associations meet all trains, and welcome new students.

THE YOUNG MEN'S CHRISTIAN ASSOCIATION.

During the formative period of college life there is great necessity for symmetrical development, for a balancing of intellectual with spiritual growth. The College Y. M. C. A. recognized this necessity, and organized for the purpose of aiding this harmonious development. In opening its doors to all young men of the College, the association aims to extend its sphere of influence as far as possible. Although distinctly a student organization, the association has the active support of the faculty, some of them being members, and many leading in the meetings. In order to keep in touch with the larger movement, the College Y. M. C. A. aims to be represented regularly at the state conventions, and also at the yearly conference of college men held at Lake Geneva.

THE YOUNG WOMEN'S CHRISTIAN ASSOCIATION.

The object of the Young Women's Christian Association is the development of Christian character in its members, and the prosecution of active Christian work, especially among the young women of the institution. The active membership of the association consists of women connected with the College, who are members of the Christian churches. Any woman in the College may become an associate member. The association is affiliated with the international organization.

THE ORATORICAL UNION.

The Oratorical Union, under its present constitution, controls oratory, debate, and the "College Days." The Union holds membership in the Wisconsin Intercollegiate Oratorical Association, and also in the Interstate Oratorical Association. Several intercollegiate debates are held each year.

THE FORUM.

A student organization of great value as an aid in training for citizenship or for a successful professional career. Through the preparation and delivery of public debates, and through parliamentary drill, it aims to acquaint its members with the vital questions of the day, to develop the power of effective public address, and to furnish practice in the management of deliberative public assemblies. Meetings are held weekly, on Monday nights, throughout the school year. Students are urged to join the Forum as early as possible in their College career, especially those who aspire to oratorical honors or to a place upon the inter-collegiate debates.

ATHLETICS AND PHYSICAL TRAINING.

The College encourages outdoor athletic games among the students. To encourage as many as possible to participate, interclass and dormitory games are arranged. This College is a member of the Wisconsin Intercollegiate Athletic Association, and all games are played under its rules.

The College is fortunate in possessing an excellent athletic field. Recently a quarter-mile cinder-track has been built on the field. There is also ample space in the field for football and baseball.

The Indoor Athletic Field makes it possible to continue such athletic training and games through the year.

By placing the gymnasium work and the training of all teams under the care of a thoroughly-trained specialist, who is a regular member of the college faculty, physical training has been developed to a high degree of efficiency, under the best possible conditions.

General supervision of all athletic interest of the College is now vested in a committee, consisting of the Dean of the College, the Director of Athletics, a member of the Board of Trustees, and the President and Secretary of The Student Athletic Association. The Student Athletic Association includes all the students in its membership.

This committee formulates all rules, appoints managers for the various teams, and is responsible for the athletic policy of the College. All contracts for games are made by authority of the committee, witnessed by the signature of the Dean.

RIPON COLLEGE GLEE CLUB.

The Ripon College Glee Club had a successful season last year. Its tour in the Spring of 1915 will begin with the Easter vacation. This year as for several past years the Club will be under the direction of Professor Elizabeth Battle Bintliff, Director of the School of Music.

The College Band furnishes music for athletic contests and other events, such as the "campus sings," etc. Its membership is about twenty. The band affords a means of training and of pleasant recreation for those who play band instruments.

THE DINING ASSOCIATION.

This is a co-operative association of students, for the purpose of furnishing board of good quality at low cost. The association occupies the beautiful Alumni Commons in West Building—quarters well equipped in every particular for the use of the association. The college authorities audit the books, and give general supervision to its affairs, but the details of its management are in the hands of the Students' Co-operative Dining Association.

THE LEAGUE.

This is an organization of the young women who live outside of Bartlett Cottage. Like the organization within Bartlett Cottage, it is intended for unifying the varied yet common interests of its members. A rest-room on the third floor of Ingram Hall has been furnished for them, where it is possible to hold meetings, or to spend a study hour between classes.

College Publications

THE BULLETIN.

The Ripon College Bulletin is issued six times per year—in January, March, May, July, September, and November. The January issue is the regular catalogue number.

COLLEGE DAYS.

College Days is a weekly publication. It is issued by a board of editors elected by the student body. It is now in its forty-seventh year. It aims to record the various phases of campus life. To this end, it occasionally publishes articles by professors and students, either the records of personal experiences or the results of special investigation. It has aimed to keep in touch with sister colleges, has noted the goings and comings of alumni, and has endeavored to record, in lighter vein, the pleasures and pastimes of the students.

THE CRIMSON.

The Junior Class publishes a Ripon College Annual known as The Crimson. It is a book of college life, dealing, among other things, with the faculty, class and student organizations, social life, and athletics.

Facts for the Alumni

General Statistics.

From 1867 to 1910 there were 428 students graduated from Ripon College—255 men, 173 women. Of the men 51 have been ministers, 29 lawyers, 18 physicians, 15 farmers and 3 editors. 43 have gone into business, 24 are now engaged in educational work above the high school grade. Of the women of this same class about 60 are engaged in special occupations other than those belonging to the home. There are among them authors, journalists, physicians, missionaries, nurses, librarians, and teachers.

Since 1910 there have been graduated 137. It is difficult to determine in all cases the permanent occupations of those so recently graduated. It may be said, however, that about 90 of the 137 took up the work of teaching in the year after graduation; 21 continued their studies in graduate work at one of the universities, and about the same number entered at once upon business.

Including the classes from 1908 to 1914 the following graduates have taken at least a year of post graduate work: May T. Bumby, Emily S. Dexter, John S. Dexter, Frances Fordice, Frank L. Haigh, Christina R. Hargrave, Earl L. King, John T. Owens, Robert G. Sherwood, Ruth Thompson, Helen P. Toombs, Edward DeBoth, Ellen M. Griffiths, W. W. Hodge, Otto J. Zobel, Howard W. Anderson, Walter G. Butler, William J. Cotton, James E. Dunlap, Abby M. Higgins, Frances E. Holt, John E. Jones, John R. Jones, John W. Loshinski, Francis A. McCray, W. F. Meggers, Helen Mutch Clark, Clinton V. Reed, R. L. Wegel, Erna I. Zobel, Carl P. Bast, B. J. Glaubitz, H. B. Humphrey, Robert Humphrey, Latimer Johns, G. H. Lewis, Vine Miller, Frank G. Mooney, C. G. Peters, Mary B. Taintor, W. F. Werfelman, Louise Zobel, T. H. Bast, Ellis Krause, Ethel E. Lyon, William H. Owen, Carl S. Cragoe, W. H. Davies, Rowland Evans, Louis E. Graf, Louis Kornder, Clarence J. Rottmann, Alfred D. Sutherland, William H. Taylor, Mary E. Weeks, Nathaniel Dexter, Robert Preston, Ray Searle, E. J. Smith, Lillian Zobel.

The following have been engaged in teaching of an advanced grade, as College, Normal School, High School Principals: May T. Bumby, Frank L. Haigh, Earl L. King, L. G.

Schneller, Robert G. Sherwood, Lola Zobel Pares, W. G. Bate, J. E. Swetland, A. F. Cook, Otto J. Zobel, John W. Loshinski, W. F. Meggers, Howell Humphrey, Frank G. Mooney, Mary B. Taintor, Frank S. Hyer, Ellis Krause, Ruby Morgan, Elwyn Krause.

In addition to these about eighty of those who were graduated in these classes are holding high school positions; thirty or more have gone into business.

The Ripon College Advancement Association.

This Association was organized eleven years ago. It includes many of the alumni and old students, and has proved helpful to the college in many ways.

One of the first things that engaged the attention of the association was the need of a modern dining hall for the students. The West College Building, under the direction of the Association was remodeled and, on the first floor, a new finely decorated and thoroughly furnished room was provided. It is capable of seating at the table from 250 to 300 students. This is now known as the College Commons.

A few years later the Association assumed the financial responsibility for remodeling and redecorating and in part re-furnishing the rooms in Bartlett Hall, the dormitory for girls.

Among the many more incidental gifts that from time to time the Association has made, none has been of more practical value or of more common use than the new hymn books for the chapel, which have recently been given.

During the last year the same Association has given a thousand dollars toward the Endowment Fund of which Dr. Mutch is the director.

The present officers of the Association are:

K. K. Kennan, President.....	Milwaukee
W. B. Geery, Vice-President.....	St. Paul
Fred W. Rogers, Secretary.....	Milwaukee
Carroll Atwood, Treasurer.....	Milwaukee

The directors are:

George C. Duffie, Ripon, term expiring Dec. 31st, 1915.
H. P. Cody, Ripon, term expiring Dec. 31st, 1915.
O. W. Bow, Milwaukee, term expiring Dec. 31st, 1916.
W. R. Dawes, Chicago, term expiring Dec. 31st, 1917.
S. M. Pedrick, Ripon, term expiring Dec. 31st, 1917.

The officers of the Association are also ex-officio directors.

Membership dues, payable annually, should be sent to Carroll Atwood, Treasurer, Free Press Building, Milwaukee, Wisconsin.

The Endowment Fund.

There has been for some years an endowment fund from which the college receives an income amounting to about one third of its annual budget. Steps have been taken to double this fund, and give the college a clear source of income which will provide for its present needs without deficit. The task is more than half accomplished, and it is expected that before another annual catalogue shall be issued the funds may be secured. Several of the regular chairs of instruction should be endowed with funds sufficient to pay the salary of a professor. Money given for this purpose will help to meet the conditions for receiving other large gifts. The college offers a very liberal annuity bond for those who need the income of their funds during their lifetime. When wills are being written with public bequests, Ripon College asks for recognition as a most worthy beneficiary. The legal name is "The Board of Trustees of Ripon College." Dr. W. J. Mutch will call or answer communications in regard to the Endowment Fund, or other gifts or bequests.

Student Expenses

The charge of the student is but a small part of the cost to the College. The balance of the cost is met by the income of the endowment fund, and by gifts from trustees and other friends of the College.

Tuition, per semester.....	\$10.00
Incidental Fee, per semester.....	22.50
Laboratory Fees, per semester—	
Anatomy, Advanced Botany, Histology.....	3.00
Archaeology	1.50
Bacteriology and Embryology.....	7.50
Chemistry, four-hour course.....	6.00
Breakage Deposit in Chemistry.....	3.00
Physics Laboratory, per unit hour.....	1.50
Physiology	1.50

For the year 1914-15, at the request of the students, a special fee of one dollar and twenty-five cents is charged for "The Crimson."

ROOM RENT.

Smith Hall, Dormitory for men, with steam heat, hot and cold water, furnished rooms, two men in each room.	
Room number 103, per semester.....	\$15.00
Rooms number 101, 102, 105, 106, 203, 205, 300, 301, 303, 305, per semester.....	20.00
Rooms number 107, 202, 206, 207, 302, 306, 307, per semester.....	22.50
Rooms number 100, 108, 200, 208, 308, per semester	25.00
West College, Dormitory for men, with steam heat, hot and cold water, furnished rooms, two men in each room, per semester	20.00
Dawes Cottage, Dormitory for men, with steam heat, hot and cold water, furnished rooms, two men in each room, per semester	18.00
Bartlett Cottage, Dormitory for women, with steam heat, hot and cold water, furnished rooms, per semester.....	24.00

Dormitory rooms are furnished with all necessary heavy furnishings. Students will bring their own bedding, pillows, rug for the floor, and such ornaments as they desire for their rooms. All buildings are heated with steam, furnished with hot and cold water, gas and electricity. Price of room rent does not include cost of light in the rooms.

At the beginning of the college year, students are required to settle their term bills at the time of registration; for the second semester, a payment of at least five dollars on account is required before registration, and the balance of the term bill must be paid or payment satisfactorily arranged before entering classes.

The five dollars paid on the incidental fee will not be refunded under any circumstances. If a student leaves college for good reasons before the middle of a semester, one half his college bills will be refunded. No refund will be made to a student who remains in attendance more than half a semester.

Room rent and laboratory fees cannot be refunded to students who leave dormitories or laboratory classes during the semester.

All indebtedness to the College must be paid or satisfactorily arranged before a diploma or certificate of standings will be given.

The total cost for the student varies. The minimum expense will be within the reach of students of limited resources, while others may easily make provision for themselves in accordance with their means.

BOARD.

Board is furnished at the College Commons in the West Building. During the present year it has cost \$3.50 a week.

There are other boarding clubs and private houses that will furnish board to students at reasonable prices.

STUDENT AID.

A standing committee of the Y. M. C. A. acts as an employment bureau, and is always ready to assist students desiring employment. Faithful, worthy students, who are willing to work, need not abandon their course of study for lack of money. Many of the most successful graduates of the College have helped themselves in this way.

There are a few scholarships to be granted to worthy students.

SPECIAL FUNDS.

The College has available several funds for use as indicated below. Anyone desiring to be a candidate for the benefits of any of these funds should write to the Registrar for blanks to make application therefor. These applications will be considered by the faculty committee on scholarships, and the benefits will be distributed where they will appear to accomplish the greatest good.

Rufus Dodge Fund. The late Rufus Dodge, of Beaver Dam, left the College a legacy of \$9,000 as a permanent fund to aid young women of limited means in getting an education. The interest of this fund is available each year for distribution among such students for this purpose, according to their need.

Philo Sherman Bennett Scholarship Loan Fund. Mr. Philo S. Bennett, of New Haven, Connecticut, left \$10,000 in his will to Wm. J. Bryan, as trustee, to divide among several colleges, in his discretion, as a fund to help worthy young men. \$500 of this fund was given in June, 1905, to Ripon College, the conditions being that the same be invested as a perpetual fund, the income only to be loaned to worthy young men in need, who shall be honor bound to return the loan; and when so repaid, it shall be re-loaned in the same manner.

The principal fund is known as the Philo Sherman Bennett Fund. The income from this fund, the amount which is available for student use, is called the William Jennings Bryan, Trustee, Fund.

Summer T. Bartlett Scholarship Fund. The sum of \$1,000 was given by Mrs. Lucy Bartlett, of Oshkosh, Wisconsin, for a permanent scholarship. The condition of the scholarship is that one student at a time, forever, shall be admitted to Ripon College free of tuition, such student to be designated by the college faculty, and to be one studying for the gospel ministry or for special missionary work.

Rev. E. W. Cook Scholarship Fund. The sum of \$500 was given by the Rev. E. W. Cook, of Ripon, for the purchase of a scholarship. Free tuition is to be granted to one student at a time from the income of this fund, in perpetuity.

O. W. Van Vechtin Student Loan Fund. This was the gift of O. W. Van Vechtin, who presented to the President \$100 as a loan fund, to be under the control of the President, and to be loaned to worthy students, and to draw no interest while the

borrowers are in college, but from date of leaving college to draw interest at the legal rate. The interest accruing may be added to the fund or given to students, at the President's discretion.

David Whitcomb Scholarship Fund. \$1,000 was given by David Whitcomb, of Worcester, Massachusetts, for the purchase of a permanent scholarship, the income of which fund is to be used annually to aid needy and worthy students. By resolution of the Board of Trustees, June 20, 1885, the income is appropriated to payment of necessary term bills of young men who shall be nominated by the faculty for such credit, the sons of missionaries and ministers to be preferred, and the amount of appropriation to each pupil to be determined by the faculty.

Alumni Association, 1868, M. W. Pinkerton Memorial Fund. This fund was collected by the Alumni Association as a memorial to M. W. Pinkerton, of the class of 1868. Mr. Pinkerton gave his life to the cause of Missions in connection with the work of the American Board in Africa.

At the annual meeting of the Association in June, 1910, by a formal vote, the fund was turned over to the College, to be used according to the general intent of the givers, but without further responsibility to the Association.

Class of 1898 Harry D. Clark Memorial Fund. This is a fund credited to the class of 1898, as a memorial to their deceased classmate Harry D. Clark. The interest is to be used for the purchase of books for the library.

Class of 1901 Owen C. Rowlands Memorial Art Fund. The class of 1901 has provided a special fund, the interest of which is to be used for art decorations. It is a memorial to Owen C. Rowlands, a former member of the class, now deceased.

COMMITTEE ON RECOMMENDATIONS.

The committee on recommendations renders assistance to graduates seeking employment, and to employers. No charge is made for this service, and the committee makes special effort to find the position for which the applicant is prepared. School boards and other employing college graduates can depend upon the faithfulness of the recommendations given.

The call for college graduates as teachers is increasing each year. All graduates and friends of the College are asked to co-operate with this committee by notifying it of vacancies.

The School of Music

FACULTY.

SILAS EVANS, D. D., LL. D.

President.

ELIZABETH BATTLE BINTLIFF, A. M.

Professor of Music and Director of the School.

ESTELLA HALL READE,

Instructor in Vocal Music.

Teacher of Public School Music Methods.

IRMA MAX,

Teacher of Piano, Theory, Musical History and Appreciation.

MARIE SCHRUP

Teacher of Violin.

The School of Music offers extended courses in the practical and theoretical study of music, designing to fit students for the professional musical life. The special purpose of instruction is to produce musicians who shall combine sound intellectual training with symmetrical development of the musical faculties. To this end all its work is planned. The regular courses are for those who wish to complete work leading to graduation; but those who wish to pursue only partial courses are also admitted. Preparatory courses have been arranged for piano, violin, and voice, so that the student who is only a beginner may find opportunity for study. The emphasis will be placed on thoroughness of work, whether in the elementary or in the advanced grade.

Courses in the Theory and History of Music as outlined below will be credited as college electives. The maximum amount of credit allowed toward the degree of Bachelor of Arts will be twelve hours.

COURSES OF STUDY.

The following outlines of courses of study in the several departments of the School of Music may be varied to meet the needs of individual students.

PIANOFORTE.

Preparatory Course.

Studies in position and touch. Elementary technic. Major and minor scales in slow practice. Etudes by Burgmüller, Brünner, Duvernoy, Heller, Lecoupey, Loeschhorn, Schytte. Sonatinas by Clementi, Kuhiau, Reinecke, and others. Pieces to suit the grade.

First Year.

Mason Technic, major and minor scales and arpeggios. Etudes by Loeschhorn, Czerny, Schytte, Heller, Bach, Little Preludes and Fugues; Sonatas by Haydn, Mozart. Modern pieces. Memorizing.

Second Year.

Mason Technic. Etudes by Cramer, Turner, Heller. Bach Inventions. Sonatas by Mozart, Beethoven, Weber. Songs without Words, Mendelssohn. Pieces by Schumann, Chopin, Schubert, Raff, Grieg, Godard, Chaminade. Memorizing.

Third Year.

Scales in double thirds and sixths. Kullak's Preparatory Octave School. Etudes by Moscheles. English Suites, Bach; Sonatas by Schubert, Weber, Beethoven; Fantasias, Impromptus, etc., by Raff, Mendelssohn, Schubert, Chopin, Schumann; Concertos by Mozart and Mendelssohn. Concert pieces by Rubinstein, Grieg, Moszkowski, MacDowell, Godard, Schytte, Schuett, Sinding. Memorizing.

Fourth Year.

Kullak's Octave School. Clementi's Gradus ad Parnassum. Etudes by Chopin, Henselt, etc. Preludes and Fugues, Bach, Sonatas and Concertos by Beethoven, Chopin, Grieg, MacDowell, Saint-Saëns, etc. Concert pieces by Liszt, Chopin, Schumann, Rachmaninoff, Alkan, Arensky, and other modern composers. Memorizing.

ORGAN.**First Year.**

Douglas, Rink and Dunham, Organ Schools.

Buck Pedal Phrasing Studies. Bach, Little Preludes and Fugues. Trios by Rheinberger. Easy pieces by Guilmant, Merkel, Batiste.

Second Year.

Rink and Whiting, Preludes and Postludes. Bach, Preludes and Fugues. Sonatas by Guilmant, Rheinberger, etc. Mendelssohn, Preludes and Fugues. Modern pieces.

Third Year.

Bach Chorales, Preludes and Fugues. Sonatas by Guilmant, Rheinberger, Mendelssohn. Modern pieces.

Fourth Year.

Bach Trios, Preludes and Fugues. Sonatas by Mendelssohn, Rheinberger, etc. Concert pieces by classic and modern composers. Practical work in accompanying church services and oratorios.

VIOLIN.**First Year.**

Method or School selected according to age and talent of student. Studies by Hofmann, Wohlfahrt, Hermann. Easy Pieces and Duets by Pleyel, Papini, Dello, Lehman, etc. Particular attention given to correct position, intonation, tone, and bowing.

Second Year.

Continuation of First Year Method. Scale Studies by Schradieck and Blumenstengel. Etudes by Kayser, Dont and Mazas. Simple sonatas. Solos by Leonard, Dancla, Böhm, Demuth, Sitt, Elgar.

Third Year.

Schradieck's School of Technic. Etudes by Kreutzer and Fiorillo. Sonatas by Mozart. Solos by Alard, Drdla, De Beriot, Wieniawski, Danbe.

Fourth Year.

Caprices of Rode. Concertos of Viotti, Rode, De Beriot, Spohr. Solos by Sarasate, Bruch, Dvorák, Vieuxtemps, and modern composers.

VOICE.

The aim of this department is:

I. The establishment of a pure tone in which there shall be resonance, volume, flexibility, and expression. This pure tone is to be acquired by means of perfect breath control, open throat and equalization of registers.

II. A perfect blending of tone and word, which results in the clear-cut enunciation desired by performer and listener.

III. The art of phrasing; versatility in style.

IV. Interpretation of songs, sacred and secular, and arias from oratorios and operas.

First Year.

Tone-Placing, Blending of Registers.—Dr. Edward S. Kimball's Exercises; Henneman's 101 Exercises; Sieber, Op. 92-96.

Flexibility.—Lütgen Exercises in Velocity; Sieber, Op. 42-43; Marzo's Preparatory Course.

Vowel and Consonant Work.—Vaccai Italian Exercises; Sieber, 92-96; "Vowel Songs."

Phrasing.—Concone, Op. 9; Easy songs for application of principles learned.

Second Year.

Marzo, Book I.; Sieber, Op. 45; Marchesi Italian Exercises; Sieber, Op. 30-35; Concone, Op. 10. Songs, sacred and secular, of the older Italian and German composers and of the best modern composers.

Third Year.

Marzo, Art of Vocalization, Books II., III.; Sieber, Op. 30-35; Concone, Op. 12; Study of the classics and arias from oratorios.

Fourth Year.

Bordogni, II., III.; Aprile Exercises. Concert songs from classic and modern composers. Arias from the operas of German, Italian and French Schools.

THEORY AND HISTORY OF MUSIC.

The aim of the courses in these branches of music education is to give the student an intelligent conception of music as a science, aiding him to become a musician capable of understanding and interpreting a wide range of music, and to lay a broad foundation for later studies which he may undertake in the field of composition. This work will be given in classes only. The outline of the course is as follows:

Elementary Theory.

A. Sight-reading; ear-training; elementary Harmony, including the study of intervals, notation and terminology.

Choral.

B. Advanced Sight-reading preparatory to and including the performance of the standard cantatas and oratorios.

Through the year. One hour.

Musical Appreciation.

C. This course will include the study of the principles of musical form, the development of music in its various branches, the stories of the standard oratorios and operas, and some analytical study of the larger instrumental compositions for the piano, violin and orchestra, such as the sonata, overture and symphony. There will be lectures and illustrations. The purpose of the course is to awaken the musical taste, and develop the faculty of listening and hearing intelligently. This course is supplemented by later courses in Musical Form and History.

Through the year. One hour.

Theory.

D. Harmony, first year. Ear-training.

Through the year. Eight hours.

Theory.

E. Harmony, second year. Analysis of musical form.

Through the year. Eight hours.

Theory and History.

F. Counterpoint. Musical History.

Prerequisite: Courses A and D.

Through the year. Eight hours.

PUBLIC SCHOOL MUSIC.

This course provides instruction for those students who wish to become teachers or supervisors of music in the public schools. It may be completed in two years.

In order to enter upon this course, a student should have completed a High School course and have ability to play at sight the average school songs.

First Year.

Course A.—Rudiments of Music, Terminology, Notation and Sight-reading.

Course B.—Advanced sight-reading choral class, including the study of standard cantatas and oratorios.

Course D.—Harmony, first year. Ear-training.

One-half Course F.—Musical History. Voice culture.

Second Year.

Methods of Teaching. Practice Teaching.

Course E.—Harmony, second year. Analysis of Musical Form.

Course C.—Musical Appreciation. Pedagogy. Voice Culture or Piano.

METHODS OF TEACHING.

Progressive Music Series.

New Educational Music Course.

Modern Music Series.

The developing purpose of School Music is the correlation of music with other studies in the school curriculum. Care of the child voice. Correct position of the body. Breathing exercises. Voice placing and development. Relation between the speaking and singing voice. Tonal quality. Monotones and how to help them. General directions for daily use. Rhythm and its study. Beating time. Use of the baton, pendulum and metronome. Tone thinking. Visualizing. How to see with the ear. Individual work. Psychology of sight-singing. Care of the voice as related to part-singing. Rules for selection of voices for part-singing. Grade outlines with songs for Primary, Intermediate and High Schools. Difficulties of the Supervisor in the High School. Relation of Supervisor to the Superintendent and teachers. Music and its power of discipline. Professional reading.

Observation work in the schools, choirs and choral club of the city of Ripon.

Practice teaching in the classes.

REQUIREMENTS FOR GRADUATION.

A Diploma is granted on the completion of any single four-year course as outlined, for Piano, Organ, Violin, or Voice. In addition the student must have completed the three years course in Theory, which includes courses A, B, C, D, E and F.

Candidates for graduation must have completed academic work equivalent to a high school course and including the following subjects:

History 2 units, Science 1 unit, Algebra 1 unit, German 2 units, French 1 unit, English 3 units. In addition to these subjects, English 1 is required.

A certificate of entrance credits should be sent in advance, or presented at time of entrance.

Students must give a public recital, during the last year, of each course which they complete.

Degree of Bachelor of Music.

The Board of Trustees of Ripon College now confer the degree of Bachelor of Music upon students who meet the following conditions:

The requirements for entrance are the same as for College entrance. The practical preparatory musical work must be completed to the work of the first year as outlined in the Catalogue. Two courses in practical music must be pursued, one of which must be the piano. The other course may be either organ, violin, or voice, as elected. The student will be required to do three years' work in the Theory and History of Music, and to carry four hours' work in some College subject each semester for the four years it takes for graduation. The Freshman English is required. Beyond that the student may elect his literary work.

DAY PUPILS.

To meet the demands for musical instruction on the part of the residents of Ripon and vicinity, who have no time or desire to take any of the regular courses, or to take studies in the College, the following arrangements may be made: Pupils will be received from their homes, who shall simply report to the teacher for instruction at appointed hours, and have no further connection with the College. Tuition will be the same as for the other students of the College of Music.

Musical activities are planned which will be of interest and profit. The School of Music aims to be a center of the musical life in Ripon. Everything of real value pertaining to the subject of musical education and advancement will be considered and encouraged by the Director.

TUITION AND EXPENSES.

In the matter of expenses, a School of Music in a small city like Ripon has great advantages to offer over those in larger cities. The expenses of living are less, for both teacher and pupil. The best instruction can be given, at prices which could not be afforded in a larger place. The cost of board and room is very reasonable, as compared with prices in many places.

Tuition, per semester, payable in advance.

Two private lessons per week, thirty minutes each :

Piano	\$40.00
Pipe Organ.....	45.00
Voice	40.00
Violin or Mandolin.....	20.00

One private lesson per week, forty-five minutes :

Violin or Mandolin.....	\$15.00
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Classes in Theory, Musical Appreciation and History, Choral Work.

Course A is open to all students, free of charge.

Course B. This class is open to students of the College, School of Music, and also to citizens of Ripon, who enjoy the study of the Standard Cantatas, Masses or Oratorios.

Course D	\$12.00
Course E	12.00
Course F	12.00
Methods of Teaching Public School Music, in class	10.00

Use of Piano for Practice :

One hour a day, per semester.....	\$4.50
Two hours a day, per semester.....	7.50
Additional hours, each, per semester.....	1.50
Use of the Church organ, for practice, per hour	.25

A student of the School of Music may take college subjects at the following rate of tuition:

One course will be eight dollars; each additional course at the rate of two dollars for each semester hour of work.

A payment of five dollars on the student's bill is required at the time of registration. This amount will not be refunded.

A fee of \$2.00 for Artists' recitals is charged each music student. This fee covers the price of tickets to all recitals and concerts of the School of Music, except the Oratorio Concerts.

By student vote, a fee of \$4.50 per semester is charged all except day pupils, to cover the following charges: Oratory, subscription to College Days, gymnasium, and ticket admitting to all athletic contests.

Rooms may be rented in the dormitories for from \$18.00 to \$24.00 per semester. Board can be obtained at the Commons for \$3.50 per week. Other boarding places can be found, whose prices are reasonable. All bills for tuition must be paid at the beginning of the semester, or special arrangements made with the Director.

This must be done, and the name registered, before lessons can be assigned. No deduction will be made for absence from lessons except in cases of illness of two weeks or more, when the loss will be shared equally by the School of Music and the student, on the written order of the Director. All non-resident students of the School of Music are subject to the regulations of the College.

MISCELLANEOUS ITEMS.

No prices will be made by the lesson or for any time less than a half semester.

Pupils from out of town may arrange for an hour (private) lesson once a week instead of half hours twice a week.

Pianos for practice can be rented at the School of Music or in the town.

No student of the School of Music will be allowed to take a musical part in any public exercises without permission from his teacher.

Semesters of the School of Music commence with those of the College, and its holidays are the same as those observed by the College.

All persons desiring musical instruction are encouraged in every possible way; graduates and others who have been students of Ripon College of Music will be recommended to fill suitable positions whenever it can be conscientiously done.

Degrees Conferred, June 1914.

HONORARY MASTER OF ARTS.

W. P. Elwood.....India

MASTER OF ARTS.

Harry Mason Comins.....Ripon

William Everett Jillson, Jr.....Chicago

BACHELOR OF ARTS.

Ray Morse Atcherson.....Tomahawk

Hazel Marie Atwood.....Trempealeau

Lelia Etta Barber.....Black Earth

Henrietta Belden.....Ripon

Ruth Hazel Brewer.....Ripon

Olive Marian Burnside.....Ripon

Nathaniel Beach Dexter.....Ashland

Mary Bernice Gowell.....Norrie

Eva Ina Holiday.....Oshkosh

Cora LaVerne Hoppough.....Smyrna, Mich.

Edgar Thomas Jones.....Picketts

Irma May Knight.....Markesan

Shirley Faye Knight.....Markesan

Clarence Arthur Kopp.....Eau Claire

Elwyn Busian Krause.....Ripon

Arthur John Martin.....Sheboygan

Fred Maynard.....Sheboygan

Ruby May Morgan.....Randolph

Ida Margaretha Pleuss.....Brandon

Robert Elliott Preston.....Mauston

Robert Proctor Preston.....Mauston

Byron James Rock.....Plymouth

Ruth Lillian Rottmann.....Ripon

Frank Rueping.....Fond du Lac

Ray Edwin Searle.....Ripon

Edwin Jefferson Smith.....Belgrade, Minn.

Carol Eloise Sweet.....Fond du Lac

Lester Frank Thomas.....Beaver Dam

Ruth Evelyn Van Kirk.....Ripon

Arthur Henry Wegel.....Fond du Lac

Lillian Anna Zobel.....Ripon

CERTIFICATE IN PUBLIC SCHOOL MUSIC.

Mary Edith Butler.....	Montello
Clara Kaiser.....	Ripon
Irene Elsie Smith.....	Brandon
Minnie Ellena Peterson.....	Spalding, Mich.

DIPLOMAS FOR COMPLETION OF PIANO COURSE.

Jennie Isabella Safford.....	Omro
Frances Luella Savage.....	Brandon
Irene Elsie Smith.....	Brandon

DIPLOMA FOR COMPLETION OF VOCAL COURSE.

Helen Louise Sniffen.....	Spring Valley, N. Y.
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List of Students

GRADUATES.

Elwyn Busian Krause.....	Ripon
Ray Edwin Searle.....	Ripon

SENIORS.

Ethel May Callahan.....	Ripon
William Chase Carpenter.....	Plymouth
Will Robert Davies.....	Cambria
Jessie DeBoth.....	Green Bay
Deloraine Keith Dunlap.....	Ripon
Harry Falconer.....	Pardeeville
Charles Robert Finnegan.....	Lavalle
Brooks Howard.....	Wabash, Ind.
Milton Herman Hostman.....	Plymouth
Ida Sophie Johnson.....	Phillips
George John Krebs.....	Fort Atkinson
Henry Lewis.....	Minneapolis, Minn.
Wilfred Murray Lucas.....	Phillips
Harry John McNicholas.....	Plymouth
Julian Yerkes Malone.....	Jacksonville, Ill.
Clyde Spencer Morgan.....	Oakfield
Bessie Murray.....	Ripon
Martha Jean Mutch.....	Elroy
Clarence Ferdinand Otto.....	Seymour
Frank Joseph Paluka.....	Princeton
Lorraine Peter.....	Milwaukee
William Hall Preston.....	Mauston
Chester Arthur Shortt.....	Oakfield
Margaret Helen Smith.....	Tomah
Florence Blaine Williams.....	Waupun
William August Zinzow.....	Ripon

JUNIORS.

Ray Beach.....	Fort Atkinson
Victor Carl Beck.....	Glenbeulah
Alice Iola Bonnell.....	Ripon
Elsa Bratlie.....	Milwaukee
Clayton James Carey.....	Randolph

Fayette Merrill Coffeen.....	Peebles
Paul Covey.....	Oshkosh
Charles DeGreef.....	Big Stone City, S. Dak.
Anthony Donlin.....	Mauston
Louis Burwell Farvour.....	Ripon
Lynn Gerald Haskin.....	Pardeeville
Archie Lynne Hirst.....	Hancock
John Wallace Hughes.....	Randolph
Anton Iverson.....	Tomahawk
Elsa Johnston.....	Waupun
Lucile Kleiner.....	Eau Claire
Orma Keuper.....	Plymouth
Hans Christian Larsen.....	Stanley
Mildred Lucile Little.....	Ripon
Robert Crawford McClain.....	Oakfield
Wayne Anthony Marchant.....	Rosendale
Marian Maynard.....	Sheboygan
Jens Emil Nelson.....	Baldwin
William Eleazer Orvis.....	Oakfield
Richard William Owen.....	Bethesda, N. Wales
Doris Helen Potter.....	Neenah
Erwin Ferdinand Reichmuth.....	Ripon
Edward Stephen Roberts.....	Chicago, Ill.
John Rhys Roberts.....	Oshkosh
Carl Parcher Russell.....	Fall River
Vernon Fred Selden.....	Lima Center
Marian Shaw.....	Scarsdale, N. Y.
Morrison Sims.....	Brandon
Cora Smith.....	Ripon
Delmar David Wensink.....	Plymouth
Marvin John Williams.....	Oshkosh

SOPHOMORES.

Harold Carlyle Baldwin.....	Green Lake
Otto Birr.....	Tomah
Rufus Norman Boardman.....	New Richmond
Attabelle Jane Boote.....	Ripon
Arthur Burnett Bradbury.....	Spring Valley, Minn.
Herman Haswell Brien.....	Ripon
Stafford Delos Byrum.....	Plymouth
Harvey J. Cameron.....	Oshkosh
Lawrence Anthony Carroll.....	Sparta
James Fremont Corbett.....	Plymouth
Frances Cujak.....	Berlin

Austin Lee Ely.....	Strong's Prairie
John George Frayne.....	Crossabeg, Ireland
Hubert Ernst Fritschel.....	Milwaukee
Emma Johanna Garber.....	Berlin
Florence Ruth Graham.....	Ripon
Gladys Grinnell.....	Marinette
John Stilwell Jones.....	Hankinson, N. Dak.
William Jones.....	Randolph
Frederick William Kaestner.....	Plymouth
Victor Mueller Kolberg.....	Sheboygan
Mabel Edith Kramer.....	Fond du Lac
Alfred Leshmere Kuebler.....	Oshkosh
William Joseph MacNeill.....	Oconomowoc
Claude Robert Mason.....	Savanna, Ill.
Joe Nathan Moon.....	Rosendale
David Maldwin Morgan.....	Cambria
Lutie Parker.....	Tomahawk
Shirley Marian Rottmann.....	Ripon
Maude Millicent Russell.....	Ripon
Hortense Seaman.....	Ripon
Florence Magdalene Shaw.....	Berlin
James Lincoln Strong.....	Kensington, Kansas
Ruth Tasche.....	Sheboygan
Aimee Jeanette Vandervelde.....	Brandon
Harvey Duane Weidman.....	Reedsburg
Eva Weller.....	Ripon
William Theodore Wendt.....	Berlin
John Jay Williams.....	Berlin
Earl William Wyman.....	Oshkosh
Julius Herman Zobel.....	Ripon

FRESHMEN.

Charles Harvey Anderson.....	Fond du Lac
Vahan Aznakian.....	Ismid, Turkey
Florian Joseph Bannack.....	Stevens Point
John Blair.....	Hartsdale, N. Y.
Alfred William Bollenbeck.....	Brooklyn, N. Y.
William Bonesho.....	Campbellsport
George Clarence Brown.....	Gilman
Byrl Arthur Bryan.....	Ripon
Henry Huson Bush.....	Plymouth
Maud Evelyn Carter.....	Ripon
Paul Hendricks Chesley.....	Campbellsport
Antoinette Cujak.....	Berlin

Charles Doman.....	Oshkosh
Hugh Melvin Fanning.....	Sparta
Harry Edward Farnsworth.....	Ripon
Max Jake Fox.....	Plymouth
Max Giedlinski.....	Ripon
Joe N. Glaser.....	Fond du Lac
Gladys Lillian Groesbeck.....	Ripon
Lydian Paul Guttmann.....	Kellnersville
Harold Floyd Hansen.....	Merrill
Margaret Muriel Hill.....	Rosendale
Myrle Hockenbery.....	Ripon
Franc Maud Holiday.....	Oshkosh
Benjamin Hudtloff.....	Wausau
Khoren Leon Hussissian.....	Armenia, Turkey
William Iverson.....	Tomahawk
Anna Johnson.....	Phillips
Lesley Hazel Jones.....	Eldorado
Fred Kaufman.....	Two Rivers
Parsegh Benjamin Khanlian.....	Cesarea, Talas, Turkey
Joy Bradbury Knight.....	Markesan
Ralph Kordenat.....	Reedsburg
Robert Lane.....	Oshkosh
Ethel Victoria Lawrence.....	Ripon
Gus Leroy Lindauer.....	S. Kaukauna
Stanley Bradley Lockwood.....	Mondovi
Arden A. Longcroft.....	Berlin
John Calvin Loos.....	Kiel
Cora E. Lyon.....	Brandon
Linda Helen Manz.....	Eau Claire
Jason Earl Maunders.....	Stevens Point
Harry Montie.....	Berlin
Leo Moriarty.....	Mesaba, Minn.
Theron Douglas Morson.....	Antigo
Elmer Morse.....	Princeton
Frederick A. Nothnagel.....	Green Lake
Ellen Mae O'Neil.....	Rosendale
Benjamin Lawrence Page.....	Ripon
Ada Veva Quigley.....	Winneconne
Genevieve Dorothy Reagan.....	Aberdeen, S. Dak.
Edward Reetz.....	Bloomer
Josephine Eva Risser.....	Ripon
Edward Howell Roberts.....	Oshkosh
John Joseph Ryan.....	Winneconne
Orvin Edward Schneider.....	Winneconne

Zella Louise Schultz.....	Ripon
Victor Searle.....	Ripon
Irma Winifred Scribner.....	Rosendale
William Erskine Shellman.....	Wilmette, Ill.
Clarence Edward Soderberg.....	Barron
John Stauss.....	Glenbeulah
Dorothy Stewart.....	Ripon
Eva Swinehart.....	Berlin
Edwin William Thiedemann.....	Plymouth
Cyrus C. Thieme.....	Milwaukee
James Ervin Watson.....	Winneconne
Bernard Williams.....	Oshkosh
Leonard Milton Williams.....	Ripon
William Henry Williams.....	Columbus
Frances Gage Wilson.....	Ripon
Frances Zemlika.....	Merrill
Edward Eastman Zerler.....	Plymouth

UNCLASSIFIED.

Inez Merrell.....	Pardeeville
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SCHOOL OF MUSIC.

Mrs. H. N. Akin.....	Ripon
Clara Elizabeth Anderson.....	Larsen
Ruth Atwood.....	Waupun
Helen Louise Barnum.....	Clintonville
Amy Bazeley.....	Ripon
Blanche Beaudette.....	Munising, Mich.
Grace Bennett.....	Fond du Lac
Alma Marie Berger.....	Two Rivers
Edward Boese.....	Ripon
Ethel Bryan.....	Ripon
Ida Buchholz.....	Ripon
Lydia Campfield.....	Berlin
Mrs. H. H. Carter.....	Ripon
Charlotte Clement.....	Berlin
Mrs. H. M. Comins.....	Ripon
Edythe West Currie.....	Ripon
Pearl Davison.....	Ripon
Mrs. Geo. Diedrich.....	Ripon
Helen B. Fehlandt.....	Ripon
Mrs. H. F. Grantvedt.....	Ripon
Mrs. Della Griffin.....	Ripon

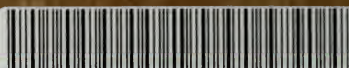
Catherine Hargrave.....	Ripon
Marie Ruth Harkes.....	Coal City, Ill.
Ella J. Hazen.....	Ripon
Elnora Hill.....	Ripon
Margaret Hill.....	Rosendale
Myrle Hockenbery.....	Ripon
Frances Horner.....	Ripon
Vera Winnifred Howard.....	Mondovi
Mary Louise Hungerford.....	Joliet, Ill.
Anna Belle Hutchinson.....	Ripon
Elsie Johns.....	Randolph
Anna Johnson.....	Phillips
Clara Kaiser.....	Ripon
Alice Marie Kingsbury.....	Ripon
Mabel Lucile Krebs.....	Ripon
Harry Kroll.....	Ripon
Ethel Luella Knutzen.....	Watertown
Wilfred Murray Lucas.....	Phillips
Frederic Lueck.....	Ripon
Cora Lyon.....	Brandon
Gladys Manchester.....	Minneapolis, Minn.
Linda Helen Manz.....	Eau Claire
Jason Maunders.....	Stevens Point
Vine Miller.....	Ripon
Lucile Florentine Mueller.....	Princeton
Louise M. Mueller.....	Ripon
Ruth Marion Murray.....	Roberts
Agnes Page.....	Ripon
Benjamin Page.....	Ripon
Helen Esther Page.....	Ripon
Marcella Pedrick.....	Ripon
Minnie Ellena Petersen.....	Spalding, Mich.
William Hall Preston.....	Mauston
Eunice Pynch.....	Ripon
Genevieve Dorothy Reagan.....	Aberdeen, So. Dakota
Mae Eunice Reas.....	Spencer
Robert Reed.....	Ripon
Louise Reichmuth.....	Ripon
Mrs. A. F. Schmoeckel.....	Ripon
Zella Schultz.....	Ripon
Irma Scribner.....	Rosendale
Morrison Sims.....	Brandon
Margaret Helen Smith.....	Tomah
Harriette Stone.....	Ripon
Aimee Vandervelde.....	Brandon
Natalie Wilber.....	Packwaukee
Erna Zobel.....	Ripon

Summary of Attendance

	Men	Women	Total
Graduates	2		2
Seniors	18	8	26
Juniors	26	10	36
Sophomores	27	14	41
Freshmen	51	22	73
Unclassified		1	1
Total	124	55	179
Music	9	59	68
	133	114	247
Names counted twice.....	3	10	13
Corrected Total.....	130	104	234

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